

# Downlighting





Philips Lightolier continues to set new standards in design, efficiency and flexibility with its Calculite, specification grade, architectural downlights.

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# LED lighting





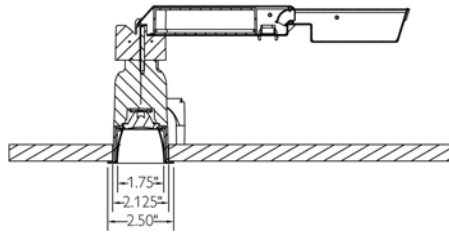
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# Calculate LED 1 3/4" aperture

## Round downlight



### How to specify

| Light engine/Frame-in kit | CCT | Beam spread | Installation/input voltage | Reflector                                      |
|---------------------------|-----|-------------|----------------------------|--|
| C2L04DL                   | 30K | 12          | R1                         | C2LDLWHW (Downlight)<br>C2LLWWHW (Wall washer) |

| Beam spread options |      | Reflector finish options |                            |            | Ordering guide: installation accessories |  |   |  |
|---------------------|------|--------------------------|----------------------------|------------|--|--|---|--|
| Beam spread         | Code | Reflector finish         | Aperture - matching flange | Flangeless | Accessories-installation                 | Lumen package (nominal)                  |   |  |
| 12 Degree           | 12   | Comfort clear diffuse    | CCDP                       | CCDFT      | CA2FMR                                   | Round aperture flush-mount mud-in ring*  |   |  |
| 17 Degree           | 17   | White                    | WHW                        | WHFT       | CA2X2FMR                                 | Square aperture flush-mount mud-in ring* |   |  |
| 25 Degree           | 25   | Champagne bronze         | CCZP                       | CCZFT      | C2LIC                                    | IC frame (new construction)*             |   |  |
| 38 Degree           | 38   | Black                    | BKP                        | BKFT       | C2LMP                                    | New construction mounting pan*           |   |  |
|                     |      |                          |                            |            |  |  | * Recommended for specific applications |  |

### Trim/frame compatibility

| Aperture | Light engine /Frame-in kit | Description | Ceiling cutout | Type | Input voltage | Technology | Wattage | Length | Width | Height |
|----------|----------------------------|-------------|----------------|------|---------------|------------|---------|--------|-------|--------|
|          |                            |             |                |      |               |            |         |        |       |        |

| <b>1.75" Flanged</b> |                |  |        |        |      |                 |                         |        |       |       |  |
|----------------------|----------------|--|--------|--------|------|-----------------|-------------------------|--------|-------|-------|--|
|                      | C2L04DL30K12R1 | 400 Lumen downlight, 3000K, 12 Degree beam | 2 1/8" | Non-IC | 120V | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25" |  |
|                      | C2L04DL30K17R1 | 400 Lumen downlight, 3000K, 17 Degree beam | 2 1/8" | Non-IC | 120V | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25" |  |
|                      | C2L04DL30K25R1 | 400 Lumen downlight, 3000K, 25 Degree beam | 2 1/8" | Non-IC | 120V | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25" |  |
|                      | C2L04DL30K38R1 | 400 Lumen downlight, 3000K, 38 Degree beam | 2 1/8" | Non-IC | 120V | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25" |  |

\* For flangeless, add "FT". Example: C2L04DL**FT**30K12R1. CA2FMR flangeless accessory ring recommended for gypsum installations.

**\*\* As Calculate LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

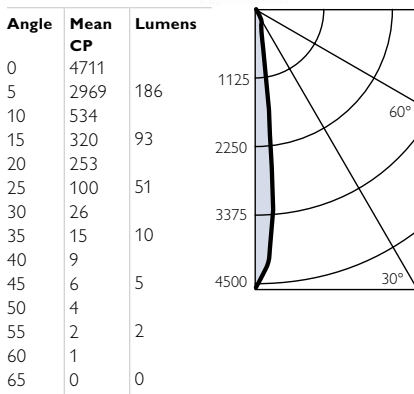
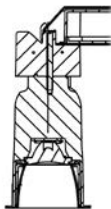
### 1 3/4", 400 Lumen, round, 12°

**Reflector trim:** C2L04DL30K11R1/C2LDLCCDW

**Output lumens:** 347

**Center beam candlepower:** 4711

**Correlated color temp:** 3000K



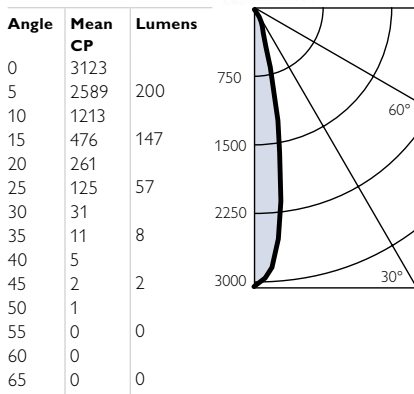
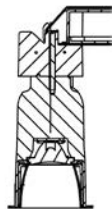
### 1 3/4", 400 Lumen, round, 17°

**Reflector trim:** C2L04DL30K17R1/C2LDLCCDW

**Output lumens:** 414

**Center beam candlepower:** 3123

**Correlated color temp:** 3000K



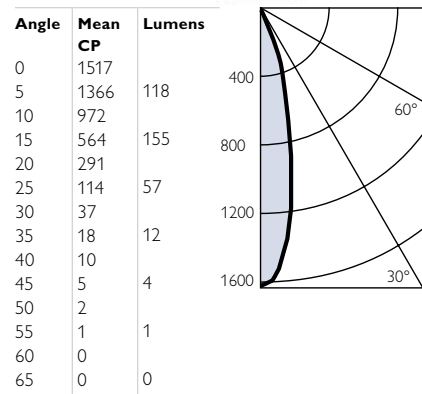
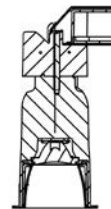
### 1 3/4", 400 Lumen, round, 25°

**Reflector trim:** C2L04DL30K25R17R1/C2LDLCCDW

**Output lumens:** 348

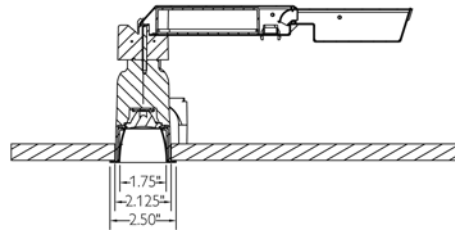
**Center beam candlepower:** 1517

**Correlated color temp:** 3000K



# Calculite LED 1 3/4" aperture

## Square downlight



### How to specify

| Light engine/Frame-in kit | CCT | Beam spread | Installation/input voltage | Reflector  |
|---------------------------|-----|-------------|----------------------------|--|
| C2L04DL                   | 30K | 12          | R1                         | C2X2LDLWHW (Downlight)<br>C2X2LLWWHW (Wall washer) |

| Beam spread options |      | Reflector finish options |                            |            | Ordering guide: installation accessories |   |
|---------------------|------|--------------------------|----------------------------|------------|--|---|
| Beam spread         | Code | Reflector finish         | Aperture - matching flange | Flangeless | Accessories-Installation                 | Lumen Package (nominal)   |
| 12 Degree           | 12   | Comfort clear diffuse    | CCDP                       | CCDFT      | CA2FMR                                   | Round aperture flush-mount mud-in ring*                                   |
| 17 Degree           | 17   | White                    | WHW                        | WHFT       | CA2X2FMR                                 | Square aperture flush-mount mud-in ring*                                  |
| 25 Degree           | 25   | Champagne bronze         | CCZP                       | CCZFT      | C2LIC                                    | IC frame (new construction)*  |
| 38 Degree           | 38   | Black                    | BKP                        | BKFT       | C2LMP                                    | New construction mounting pan*<br>* Recommended for specific applications |

### Trim/frame compatibility

| Aperture             | Light engine /Frame-in kit | Description                                | Ceiling cutout |            | Input voltage | Technology      | Wattage                 | Length | Width | Height |
|----------------------|----------------------------|--|----------------|------------|---------------|-----------------|-------------------------|--------|-------|--------|
|                      |                            |  | Type           | Technology |               |                 |                         |        |       |        |
| <b>1.75" Flanged</b> |                            |  |                |            |               |                 |                         |        |       |        |
|                      | C2L04DL30K12R1             | 400 Lumen downlight, 3000K, 12 Degree beam | 2 1/8"         | Non-IC     | 120V          | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25"  |
|                      | C2L04DL30K17R1             | 400 Lumen downlight, 3000K, 17 Degree beam | 2 1/8"         | Non-IC     | 120V          | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25"  |
|                      | C2L04DL30K25R1             | 400 Lumen downlight, 3000K, 25 Degree beam | 2 1/8"         | Non-IC     | 120V          | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25"  |
|                      | C2L04DL30K38R1             | 400 Lumen downlight, 3000K, 38 Degree beam | 2 1/8"         | Non-IC     | 120V          | White Light LED | See specification sheet | 10.25" | 4.25" | 5.25"  |

\* For flangeless, add "FT". Example: C2L04DL**FT**30K12R1. CA2X2FMR flangeless accessory ring recommended for gypsum installations.

\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.

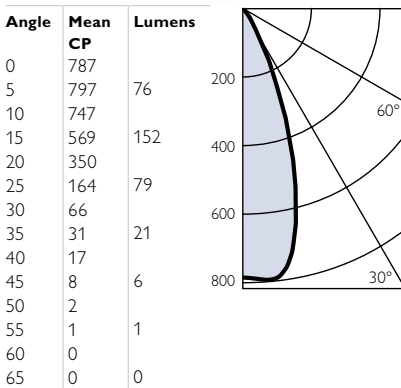
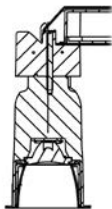
### 1 3/4", 400 Lumen, round, 38°

**Reflector trim:** C2L04DL30K38R1/C2LDLCCDW

**Output lumens:** 335

**Center beam candlepower:** 787

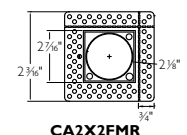
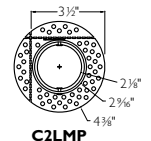
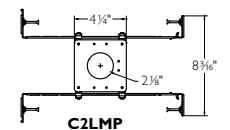
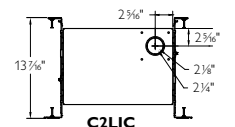
**Correlated color temp:** 3000K



### Optional installation accessories

The standard C2L product offering is Non-IC, wet location listed\* with no additional "frame-in kit" required. Listed below are additional frame options.

|                 |  |
|-----------------|--|
| <b>C2LIC</b>    | IC frame (new construction).   |
| <b>C2LMP</b>    | New construction mounting pan provides ability to prelocate wiring for easy below-ceiling access. Includes bar hangers with preset screws which accommodate 12"-24" joist spacing. Bars also attach to T-bar ceilings. Width: 5.5", Length (min): 13.12" |
| <b>CA2FMR</b>   | Round aperture flush-mount mud-in ring. Recommended for gypsum applications. Perforated flange allows installation only 1.4" from vertical structure, including corners.   |
| <b>CA2X2FMR</b> | Square aperture flush-mount mud-in ring. Recommended for gypsum applications. Perforated flange allows installation only 1.4" from vertical structure, including corners. Square plate secures magnetically to mud-in ring. Tether included.             |

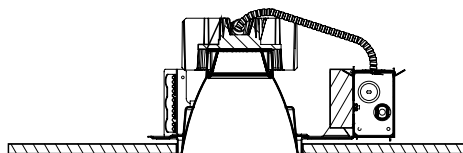


Square aperture photometric data not yet available at time of printing. Please see product specification sheet for updated, accurate performance data.



# Calculite LED 6" & 7" aperture

Downlight medium beam (0.9 S.C.)



## How to specify

| Trim kit  | CCT | Beam (6" & 7" only) | Finish/ flange | Frame-in kit |
|-----------|-----|---------------------|----------------|--------------|
| C6L1520DL | 27K | M                   | CLW            | C6L15N1      |

| Color temperature options |      | Reflector finish options |              |                            |            |
|---------------------------|------|--------------------------|--------------|----------------------------|------------|
| Color temperature         | Code | Reflector finish         | White flange | Aperture - matching flange | Flangeless |
| 2700K                     | 27K  | Specular clear           | CLW          | CLP                        | CLFT       |
| 3000K                     | 30K  | Comfort clear            | CCLW         | CCLP                       | CCLFT      |
| 3500K                     | 35K  | Comfort clear diffuse    | CCDW         | CCDP                       | CCDFT      |
| 4000K                     | 40K  | Champagne bronze         | CCZW         | CCZP                       | CCZFT      |
|                           |      | White                    | WHW          | N/A                        | WHFT       |

## Trim/frame compatibility

| Aperture | Trim kit     | Light engine description  | Frame-in kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|--------------|---------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 6"       | C6L1520DL__M | 1500/2000 Lumen downlight | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 7 1/4" |
|          |              |                           | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
|          |              |                           | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
|          |              |                           | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
| 7"       | C7L1520DL__M | 1500/2000 Lumen downlight | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |
|          |              |                           | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |
|          |              |                           | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |
|          |              |                           | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |

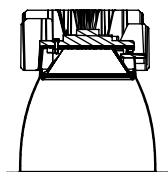
\*Remodeler & retrofit frames also available. See specification sheet for details

Length (bars) is 20" -30"

**\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

### 6", 1500 Lumen

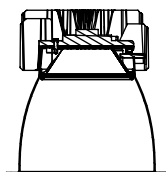
**Reflector trim:** C6L1520DL30KMCLW  
**Output lumens:** 1312  
**Correlated color temp:** 3000K



| Angle | Mean CP | Lumens |
|-------|---------|--------|
| 0     | 1672    |        |
| 5     | 1625    | 153    |
| 10    | 1551    |        |
| 15    | 1477    | 417    |
| 20    | 1405    |        |
| 25    | 1182    | 501    |
| 30    | 612     |        |
| 35    | 313     | 205    |
| 40    | 139     |        |
| 45    | 32      | 35     |
| 50    | 3       |        |
| 55    | 1       | 1      |
| 60    | 1       |        |
| 65    | 0       | 0      |
| 70    | 0       |        |
| 75    | 0       | 0      |
| 80    | 0       |        |
| 85    | 0       | 0      |
| 90    | 0       |        |

### 6", 2000 Lumen

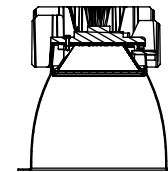
**Reflector trim:** C6L1520DL30KMCLW  
**Output lumens:** 1805  
**Correlated color temp:** 3000K



| Angle | Mean CP | Lumens |
|-------|---------|--------|
| 0     | 1692    |        |
| 5     | 1664    | 158    |
| 10    | 1634    |        |
| 15    | 1594    | 449    |
| 20    | 1518    |        |
| 25    | 1300    | 562    |
| 30    | 768     |        |
| 35    | 351     | 238    |
| 40    | 147     |        |
| 45    | 35      | 37     |
| 50    | 3       |        |
| 55    | 1       | 1      |
| 60    | 10      |        |
| 65    | 0       | 0      |
| 70    | 0       |        |
| 75    | 0       | 0      |
| 80    | 0       |        |
| 85    | 0       | 0      |
| 90    | 0       |        |

### 7", 2000 Lumen

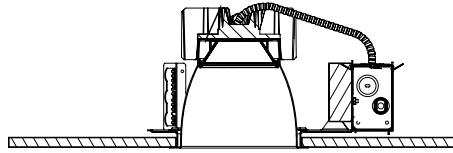
**Reflector trim:** C7L1520DL30KMCLW  
**Output lumens:** 1998  
**Correlated color temp:** 3000K



| Angle | Mean CP | Lumens |
|-------|---------|--------|
| 0     | 2298    |        |
| 5     | 2233    | 210    |
| 10    | 2130    |        |
| 15    | 2028    | 573    |
| 20    | 1931    |        |
| 25    | 1630    | 690    |
| 30    | 843     |        |
| 35    | 431     | 282    |
| 40    | 191     |        |
| 45    | 44      | 48     |
| 50    | 4       |        |
| 55    | 2       | 2      |
| 60    | 1       |        |
| 65    | 1       | 1      |
| 70    | 0       |        |
| 75    | 0       | 0      |
| 80    | 0       |        |
| 85    | 0       | 0      |
| 90    | 0       |        |

# Calculite LED 4", 6" & 7" aperture

Downlight wide beam (1.2 S.C.)



Color temperature options

| Color temperature | Code |
|-------------------|------|
| 2700K             | 27K  |
| 3000K             | 30K  |
| 3500K             | 35K  |
| 4000K             | 40K  |

Reflector finish options

| Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-----------------------|--------------|----------------------------|------------|
| Specular clear        | CLW          | CLP                        | CLFT       |
| Comfort clear         | CCLW         | CCLP                       | CCLFT      |
| Comfort clear diffuse | CCDW         | CCDP                       | CCDFT      |
| Champagne bronze      | CCZW         | CCZP                       | CCZFT      |
| White                 | WHW          | N/A"                       | WHFT       |

How to specify

| Trim kit  | Beam CCT | Finish/ flange | Frame-in kit |
|-----------|----------|----------------|--------------|
| C6L1520DL | 27K W    | CLW            | C6L15N1      |

Trim/frame compatibility

| Aperture | Trim kit     | Light engine description  | Frame-in kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|--------------|---------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4"       | C4L05DL      | 500 Lumen downlight       | C4L05N1              | 5 1/8"         | Non-IC | 120V          | Remote phosphor | See specification sheet | 9 3/16" | 6 1/8" |
|          |              |                           | C4L05N2              | 5 1/8"         | Non-IC | 277V          | Remote phosphor | 9 3/16"                 | 6 1/8"  |        |
| 4"       | C4L10DL      | 1000 Lumen downlight      | C4L10N1              | 5 1/8"         | Non-IC | 120V          | Remote phosphor | 9 3/16"                 | 6 1/8"  | 6 1/8" |
|          |              |                           | C4L10N2              | 5 1/8"         | Non-IC | 277V          | Remote phosphor | 9 3/16"                 | 6 1/8"  |        |
| 6"       | C6L1520DL__W | 1500/2000 Lumen downlight | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | 10 1/8"                 | 7 1/4"  | 7 1/4" |
|          |              |                           | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
|          |              |                           | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
|          |              |                           | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor | 10 1/8"                 | 7 1/4"  |        |
| 7"       | C7L1520DL__W | 1500/2000 Lumen downlight | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | 11 13/16"               | 8 1/8"  | 8 1/8" |
|          |              |                           | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |
|          |              |                           | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |
|          |              |                           | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor | 11 13/16"               | 8 1/8"  |        |

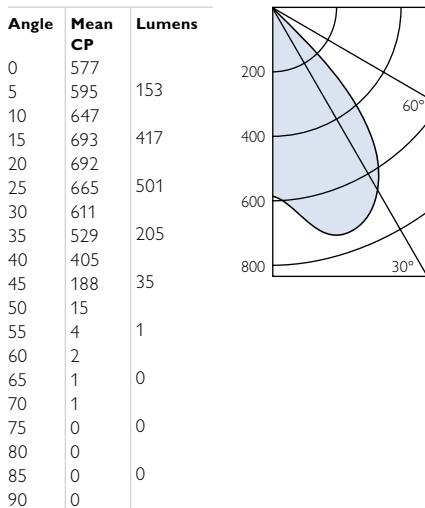
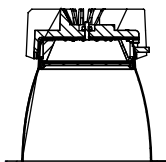
\*Remodeler & retrofit frames also available. See specification sheet for details.

Length (bars) is 20" -30"

**\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

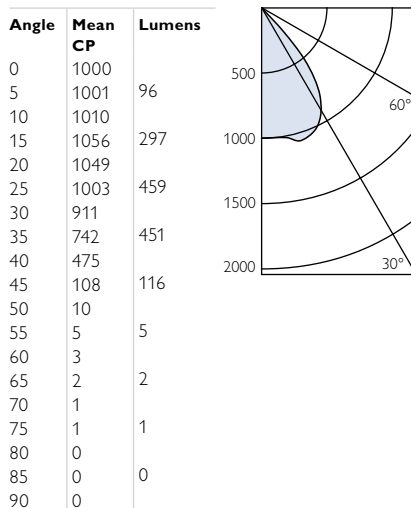
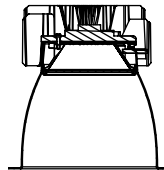
## 4", 1000 Lumen

**Reflector trim:** C4L10DL30KCLW  
**Output lumens:** 1034  
**Correlated color temp:** 3000K



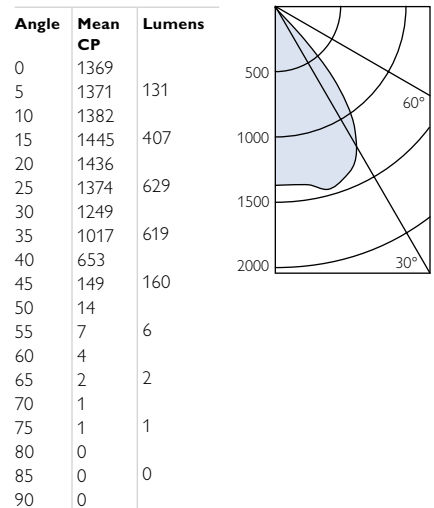
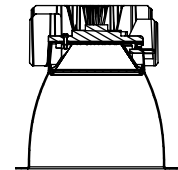
## 6", 1500 Lumen

**Reflector trim:** C6L1520DL30KWCLW  
**Output lumens:** 1426  
**Correlated color temp:** 3000K



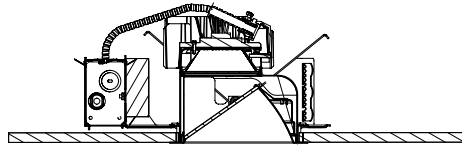
## 6", 2000 Lumen

**Reflector trim:** C6L1520DL30KWCLW  
**Output lumens:** 1954  
**Correlated color temp:** 3000K



# Calculite LED 4", 6" & 7" aperture

## Lensed wall washers



### How to specify

| Trim kit  | CCT | Finish/flange | Frame-in kit |
|-----------|-----|---------------|--------------|
| C6L1520DL | 27K | CLW           | C6L15N1      |

### Color temperature options

| Color temperature | Code |
|-------------------|------|
| 2700K             | 27K  |
| 3000K             | 30K  |
| 3500K             | 35K  |
| 4000K             | 40K  |

### Reflector finish options

| Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-----------------------|--------------|----------------------------|------------|
| Specular clear        | CLW          | CLP                        | N/A        |
| Comfort clear         | CCLW         | CCLP                       | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                       | N/A        |
| Champagne bronze      | CCZW         | CCZP                       | N/A        |
| White                 | WHW          | N/A                        | N/A        |

### Trim/frame compatibility

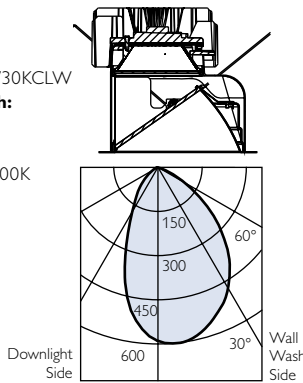
| Aperture | Trim kit  | Light engine description           | Frame-In Kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-----------|------------------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4"       | C4L05LW   | 500 Lumen lensed wall washer       | C4L05N1              | 5 1/8"         | Non-IC | 120V          | Remote phosphor | See specification sheet | 9 3/16" | 5 3/8" |
|          |           |                                    | C4L05N2              | 5 1/8"         | Non-IC | 277V          | Remote phosphor |                         | 9 3/16" | 5 3/8" |
| 4"       | C4L10LW   | 1000 Lumen lensed wall washer      | C4L10N1              | 5 1/8"         | Non-IC | 120V          | Remote phosphor | See specification sheet | 9 3/16" | 5 3/8" |
|          |           |                                    | C4L10N2              | 5 1/8"         | Non-IC | 277V          | Remote phosphor |                         | 9 3/16" | 5 3/8" |
| 6"       | C6L1520LW | 1500/2000 Lumen lensed wall washer | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 6 5/8" |
|          |           |                                    | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 6 5/8" |
|          |           |                                    | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor |                         | 10 1/8" | 6 5/8" |
|          |           |                                    | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 6 5/8" |
|          |           |                                    | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor |                         | 10 1/8" | 7 3/8" |
|          |           |                                    | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 7 3/8" |
| 7"       | C7L1520LW | 1500/2000 Lumen lensed wall washer | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 7 3/8" |
|          |           |                                    | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 7 3/8" |

\*Remodeler & retrofit frames also available. See specification sheet for details Length (bars) is 20" -30"

**\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

### 4", 1000 Lumen

**Trim:** C4L10LW30KCLW  
**Reflector finish:** Specular clear  
**Correlated color temp:** 3000K



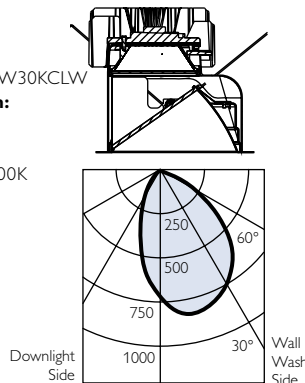
Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 5  | 4  | 5  |    |
| 2'                            | 14 | 12 | 14 |    |
| 3'                            | 19 | 18 | 19 |    |
| 4'                            | 18 | 17 | 18 |    |
| 5'                            | 15 | 15 | 15 |    |
| 6'                            | 13 | 12 | 13 |    |
| 7'                            | 10 | 10 | 10 |    |
| 8'                            | 9  | 9  | 9  |    |
| 9'                            | 8  | 7  | 8  |    |
| 10'                           | 7  | 7  | 7  |    |
| 12'                           | 5  | 5  | 5  |    |
| 14'                           | 4  | 4  | 4  |    |

### 6", 1500 Lumen

**Trim:** C6L1520LW30KCLW  
**Reflector finish:** Specular clear  
**Correlated color temp:** 3000K



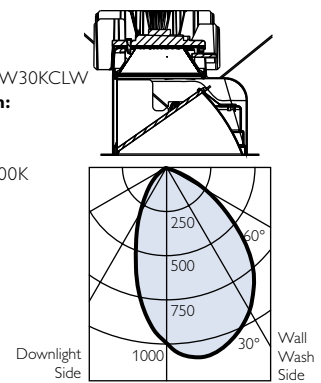
Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 8  | 6  | 8  |    |
| 2'                            | 21 | 18 | 21 |    |
| 3'                            | 26 | 25 | 26 |    |
| 4'                            | 24 | 24 | 24 |    |
| 5'                            | 21 | 21 | 21 |    |
| 6'                            | 17 | 17 | 17 |    |
| 7'                            | 14 | 14 | 14 |    |
| 8'                            | 12 | 12 | 12 |    |
| 9'                            | 10 | 10 | 10 |    |
| 10'                           | 9  | 8  | 9  |    |
| 12'                           | 7  | 7  | 7  |    |
| 14'                           | 6  | 6  | 6  |    |

### 6", 2000 Lumen

**Trim:** C6L1520LW30KCLW  
**Reflector finish:** Specular clear  
**Correlated color temp:** 3000K



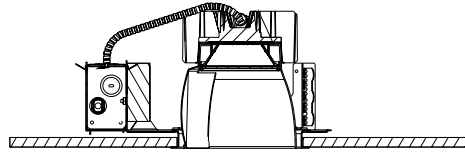
Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 9  | 8  | 9  |    |
| 2'                            | 24 | 22 | 24 |    |
| 3'                            | 32 | 30 | 32 |    |
| 4'                            | 32 | 31 | 32 |    |
| 5'                            | 27 | 27 | 27 |    |
| 6'                            | 23 | 23 | 23 |    |
| 7'                            | 19 | 19 | 19 |    |
| 8'                            | 16 | 16 | 16 |    |
| 9'                            | 14 | 13 | 14 |    |
| 10'                           | 12 | 12 | 12 |    |
| 12'                           | 9  | 9  | 9  |    |
| 14'                           | 8  | 8  | 8  |    |

# Calculite LED 4", 6" & 7" aperture

## Open wall washers



Color temperature options

Reflector finish options

| Color temperature | Code | Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-------------------|------|-----------------------|--------------|----------------------------|------------|
| 2700K             | 27K  | Specular clear        | CLW          | CLP                        | CLFT       |
| 3000K             | 30K  | Comfort clear         | CCLW         | CCLP                       | CCLFT      |
| 3500K             | 35K  | Comfort clear diffuse | CCDW         | CCDP                       | CCDFT      |
| 4000K             | 40K  | Champagne bronze      | CCZW         | CCZP                       | CCZFT      |
|                   |      | White                 | WHW          | N/A"                       | WHFT       |

How to specify

| Trim kit         | CCT        | Finish/flange | Frame-in kit   |
|------------------|------------|---------------|----------------|
| <b>C6L1520WW</b> | <b>27K</b> | <b>CLW</b>    | <b>C6L15N1</b> |

Trim/frame compatibility

| Aperture | Trim kit  | Light engine description         | Frame-in kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-----------|----------------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4"       | C4L05WW   | 500 Lumen open wall washer       | C4L05N1              | 5 1/8"         | Non-IC | 120V          | Remote Phosphor | See specification sheet | 9 3/16" | 6 1/8" |
|          |           |                                  | C4L05N2              | 5 1/8"         | Non-IC | 277V          | Remote Phosphor |                         | 9 3/16" | 6 1/8" |
| 4"       | C4L10WW   | 1000 Lumen open wall washer      | C4L10N1              | 5 1/8"         | Non-IC | 120V          | Remote Phosphor | 9 3/16"                 | 9 3/16" | 6 1/8" |
|          |           |                                  | C4L10N2              | 5 1/8"         | Non-IC | 277V          | Remote Phosphor |                         | 9 3/16" | 6 1/8" |
| 6"       | C6L1520WW | 1500/2000 Lumen open wall washer | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote Phosphor | 10 1/8"                 | 10 1/8" | 7 1/4" |
|          |           |                                  | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote Phosphor |                         | 10 1/8" | 7 1/4" |
|          |           |                                  | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote Phosphor |                         | 10 1/8" | 7 1/4" |
|          |           |                                  | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |
|          |           |                                  | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |
|          |           |                                  | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |
| 7"       | C7L1520WW | 1500/2000 Lumen open wall washer | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote Phosphor | 10 1/8"                 | 10 1/8" | 7 5/8" |
|          |           |                                  | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |
|          |           |                                  | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |
|          |           |                                  | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote Phosphor |                         | 10 1/8" | 7 5/8" |

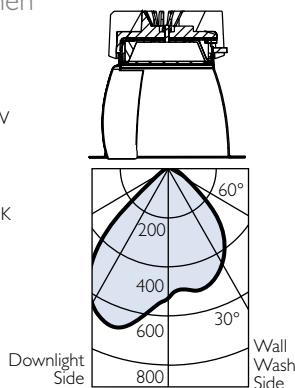
\*Remodeler & retrofit frames also available. See specification sheet for details

\*\* Length (bars) is 20" -30"

\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.

4", 1000 Lumen

**Reflector trim:**  
C4L10WW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

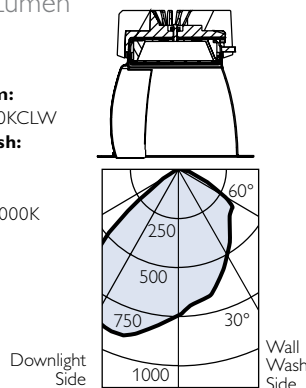


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |    |
|-------------------------------|-----------------------------|----|----|----|
|                               | 1'                          | 7' | 7' | 7' |
| 1'                            | 7                           | 7  | 7  | 7  |
| 7'                            | 12                          | 12 | 12 | 12 |
| 3'                            | 17                          | 17 | 17 | 17 |
| 4'                            | 16                          | 16 | 16 | 16 |
| 5'                            | 14                          | 14 | 14 | 14 |
| 6'                            | 12                          | 12 | 12 | 12 |
| 7'                            | 12                          | 12 | 12 | 12 |
| 8'                            | 10                          | 10 | 10 | 10 |
| 9'                            | 9                           | 9  | 9  | 9  |
| 10'                           | 8                           | 8  | 8  | 8  |
| 12'                           | 7                           | 7  | 7  | 7  |
| 14'                           | 6                           | 6  | 6  | 6  |

6", 1500 Lumen

**Reflector trim:**  
C6L1520WW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

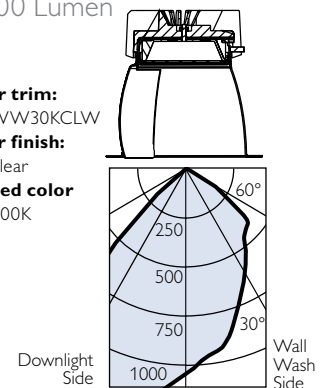


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |    |
|-------------------------------|-----------------------------|----|----|----|
|                               | 1'                          | 10 | 9  | 10 |
| 1'                            | 10                          | 9  | 10 | 10 |
| 7'                            | 25                          | 25 | 25 | 25 |
| 3'                            | 25                          | 24 | 25 | 25 |
| 4'                            | 21                          | 22 | 21 | 21 |
| 5'                            | 19                          | 19 | 19 | 19 |
| 6'                            | 17                          | 17 | 17 | 17 |
| 7'                            | 15                          | 15 | 15 | 15 |
| 8'                            | 13                          | 13 | 13 | 13 |
| 9'                            | 11                          | 11 | 11 | 11 |
| 10'                           | 10                          | 10 | 10 | 10 |
| 12'                           | 9                           | 9  | 9  | 9  |
| 14'                           | 8                           | 8  | 8  | 8  |

6", 2000 Lumen

**Reflector trim:**  
C6L1520WW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

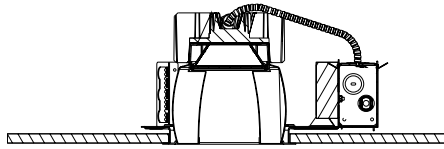


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |    |
|-------------------------------|-----------------------------|----|----|----|
|                               | 1'                          | 14 | 13 | 14 |
| 1'                            | 14                          | 13 | 14 | 14 |
| 7'                            | 35                          | 32 | 35 | 35 |
| 3'                            | 35                          | 34 | 35 | 35 |
| 4'                            | 29                          | 30 | 29 | 29 |
| 5'                            | 27                          | 26 | 27 | 27 |
| 6'                            | 23                          | 23 | 23 | 23 |
| 7'                            | 20                          | 20 | 20 | 20 |
| 8'                            | 18                          | 18 | 18 | 18 |
| 9'                            | 16                          | 16 | 16 | 16 |
| 10'                           | 14                          | 14 | 14 | 14 |
| 12'                           | 12                          | 12 | 12 | 12 |
| 14'                           | 10                          | 10 | 10 | 10 |

# Calculite LED 4", 6" & 7" aperture

## Double wall washers



### How to specify

| Trim kit  | CCT | Finish/flange | Frame-in kit |
|-----------|-----|---------------|--------------|
| C6L1520DW | 27K | CLW           | C6L15N1      |

| Color temperature options |      | Reflector finish options |              |                            |            |
|---------------------------|------|--------------------------|--------------|----------------------------|------------|
| Color temperature         | Code | Reflector finish         | White flange | Aperture - matching flange | Flangeless |
| 2700K                     | 27K  | Specular clear           | CLW          | CLP                        | CLFT       |
| 3000K                     | 30K  | Comfort clear            | CCLW         | CCLP                       | CCLFT      |
| 3500K                     | 35K  | Comfort clear diffuse    | CCDW         | CCDP                       | CCDFT      |
| 4000K                     | 40K  | Champagne bronze         | CCZW         | CCZP                       | CCZFT      |
|                           |      | White                    | WHW          | N/A                        | WHFT       |

### Trim/frame compatibility

| Aperture | Trim kit  | Light engine description           | Frame-in kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-----------|------------------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4"       | C4L05DW   | 500 Lumen double wall washer       | C4L05N1DW            | 5 1/8"         | Non-IC | 120V          | Remote phosphor | See specification sheet | 9 3/16" | 5 1/3" |
|          |           |                                    | C4L05N2DW            | 5 1/8"         | Non-IC | 277V          | Remote phosphor |                         | 9 3/16" | 5 1/3" |
| 4"       | C4L10DW   | 1000 Lumen double wall washer      | C4L10N1DW            | 5 1/8"         | Non-IC | 120V          | Remote phosphor | See specification sheet | 9 3/16" | 5 1/3" |
|          |           |                                    | C4L10N2DW            | 5 1/8"         | Non-IC | 277V          | Remote phosphor |                         | 9 3/16" | 5 1/3" |
| 6"       | C6L1520DW | 1500/2000 Lumen double wall washer | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 7 1/4" |
|          |           |                                    | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 7 1/4" |
|          |           |                                    | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor |                         | 10 1/8" | 7 1/4" |
|          |           |                                    | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |
|          |           |                                    | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |
|          |           |                                    | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |
| 7"       | C7L1520DW | 1500/2000 Lumen double wall washer | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 8 1/8" |
|          |           |                                    | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |
|          |           |                                    | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |
|          |           |                                    | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         | 10 1/8" | 8 1/8" |

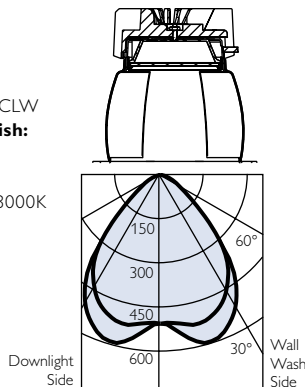
Length (bars) is 20" -30"

\*Remodeler & retrofit frames also available. See specification sheet for details

\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.

### 4", 1000 Lumen

**Trim:**  
C4L10DW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

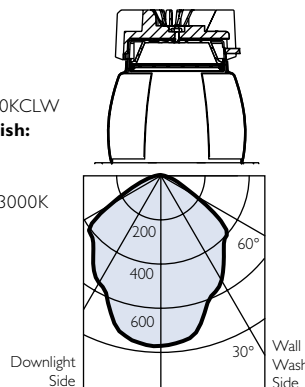


Multiple units Footcandles on wall

| Distance from ceiling in feet | 6' from hallway - 3' on center |    |    |
|-------------------------------|--------------------------------|----|----|
|                               | 1'                             | 2' | 3' |
| 1'                            | 12                             | 12 | 12 |
| 2'                            | 18                             | 17 | 18 |
| 3'                            | 24                             | 24 | 24 |
| 4'                            | 25                             | 26 | 25 |
| 5'                            | 24                             | 23 | 24 |
| 6'                            | 21                             | 21 | 21 |
| 7'                            | 18                             | 18 | 18 |
| 8'                            | 16                             | 16 | 16 |
| 9'                            | 14                             | 14 | 14 |
| 10'                           | 13                             | 13 | 13 |
| 12'                           | 11                             | 11 | 11 |
| 14'                           | 9                              | 9  | 9  |

### 6", 1500 Lumen

**Trim:**  
C6L1520DW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

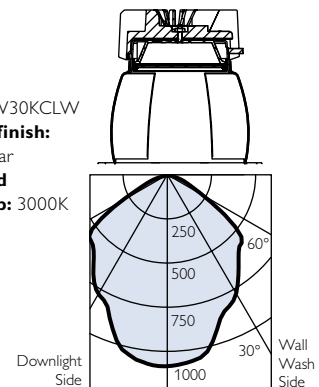


Multiple units Footcandles on wall

| Distance from ceiling in feet | 6' from hallway - 3' on center |    |    |
|-------------------------------|--------------------------------|----|----|
|                               | 1'                             | 2' | 3' |
| 1'                            | 21                             | 21 | 21 |
| 2'                            | 40                             | 38 | 40 |
| 3'                            | 40                             | 39 | 40 |
| 4'                            | 36                             | 37 | 36 |
| 5'                            | 33                             | 32 | 33 |
| 6'                            | 29                             | 29 | 29 |
| 7'                            | 26                             | 25 | 26 |
| 8'                            | 23                             | 23 | 23 |
| 9'                            | 20                             | 20 | 20 |
| 10'                           | 18                             | 18 | 18 |
| 12'                           | 15                             | 15 | 15 |
| 14'                           | 13                             | 13 | 13 |

### 6", 2000 Lumen

**Trim:**  
C6L1520DW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K

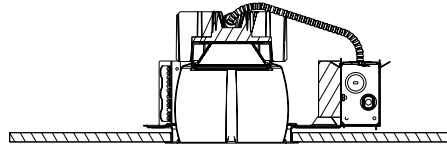


Multiple units Footcandles on wall

| Distance from ceiling in feet | 6' from hallway - 3' on center |    |    |
|-------------------------------|--------------------------------|----|----|
|                               | 1'                             | 2' | 3' |
| 1'                            | 29                             | 29 | 29 |
| 2'                            | 55                             | 53 | 55 |
| 3'                            | 55                             | 54 | 55 |
| 4'                            | 49                             | 51 | 49 |
| 5'                            | 45                             | 45 | 45 |
| 6'                            | 39                             | 40 | 39 |
| 7'                            | 35                             | 35 | 35 |
| 8'                            | 31                             | 31 | 31 |
| 9'                            | 28                             | 28 | 28 |
| 10'                           | 25                             | 25 | 25 |
| 12'                           | 20                             | 21 | 20 |
| 14'                           | 17                             | 17 | 17 |

# Calculite LED 6" & 7" aperture

## Corner wall washers



### Color temperature options

| Color temperature | Code |
|-------------------|------|
| 2700K             | 27K  |
| 3000K             | 30K  |
| 3500K             | 35K  |
| 4000K             | 40K  |

### Reflector finish options

| Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-----------------------|--------------|----------------------------|------------|
| Specular clear        | CLW          | CLP                        | CLFT       |
| Comfort clear         | CCLW         | CCLP                       | CCLFT      |
| Comfort clear diffuse | CCDW         | CCDP                       | CCDFT      |
| Champagne bronze      | CCZW         | CCZP                       | CCZFT      |
| White                 | WHW          | N/A"                       | WHFT       |

### How to specify

| Trim kit         | CCT        | Finish/flange | Frame-in kit   |
|------------------|------------|---------------|----------------|
| <b>C6L1520CW</b> | <b>27K</b> | <b>CLW</b>    | <b>C6L15N1</b> |

### Trim/frame compatibility

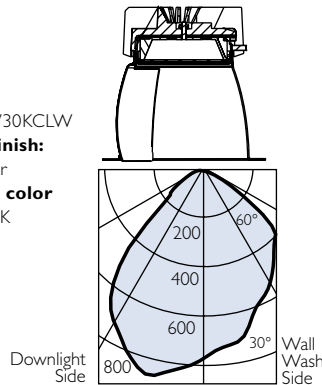
| Aperture | Trim kit  | Light engine description           | Frame-in kit*        | Ceiling cutout | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-----------|------------------------------------|----------------------|----------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 6"       | C6L1520CW | 1500/2000 Lumen corner wall washer | C6L15N1 (1500 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 1/8" | 7 1/4" |
|          |           |                                    | C6L15N2 (1500 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         |         |        |
|          |           |                                    | C6L20N1 (2000 Lumen) | 6 9/16"        | Non-IC | 120V          | Remote phosphor |                         |         |        |
|          |           |                                    | C6L20N2 (2000 Lumen) | 6 9/16"        | Non-IC | 277V          | Remote phosphor |                         |         |        |
| 7"       | C7L1520CW | 1500/2000 Lumen corner wall washer | C7L15N1 (1500 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor | 10 1/8"                 | 8 1/8"  |        |
|          |           |                                    | C7L15N2 (1500 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         |         |        |
|          |           |                                    | C7L20N1 (2000 Lumen) | 8"             | Non-IC | 120V          | Remote phosphor |                         |         |        |
|          |           |                                    | C7L20N2 (2000 Lumen) | 8"             | Non-IC | 277V          | Remote phosphor |                         |         |        |

\*Remodeler & retrofit frames also available. See specification sheet for details Length (bars) is 20" -30"

\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.

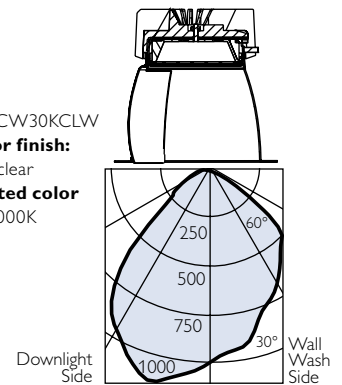
### 6", 1500 Lumen

**Trim:**  
C6L1520CW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K



### 6", 2000 Lumen

**Trim:**  
C6L1520CW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K



#### Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 3' from wall - 3' on center |    |      |
|-------------------------------|-----------------------------|----|------|
|                               | 1.5'                        | 3' | 4.5' |
| 1'                            | 9                           | 11 | 9    |
| 2'                            | 16                          | 20 | 18   |
| 3'                            | 18                          | 21 | 21   |
| 4'                            | 17                          | 22 | 25   |
| 5'                            | 16                          | 20 | 23   |
| 6'                            | 15                          | 19 | 22   |
| 7'                            | 15                          | 18 | 20   |
| 8'                            | 15                          | 17 | 18   |
| 9'                            | 14                          | 16 | 17   |
| 10'                           | 13                          | 15 | 16   |
| 12'                           | 12                          | 13 | 14   |
| 14'                           | 11                          | 11 | 12   |

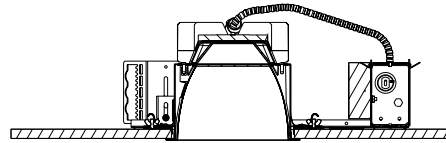
#### Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 3' from wall - 3' on center |    |      |
|-------------------------------|-----------------------------|----|------|
|                               | 1.5'                        | 3' | 4.5' |
| 1'                            | 13                          | 16 | 15   |
| 2'                            | 24                          | 30 | 30   |
| 3'                            | 28                          | 34 | 35   |
| 4'                            | 26                          | 32 | 36   |
| 5'                            | 23                          | 28 | 32   |
| 6'                            | 22                          | 26 | 29   |
| 7'                            | 21                          | 25 | 27   |
| 8'                            | 20                          | 23 | 25   |
| 9'                            | 19                          | 22 | 23   |
| 10'                           | 18                          | 20 | 22   |
| 12'                           | 17                          | 18 | 19   |
| 14'                           | 15                          | 16 | 17   |

# Calculite LED 4" & 6" squares

Downlight wide beam (1.2 S.C.)



## How to specify

| Trim kit    | CCT | Finish/flange | Frame-in kit |
|-------------|-----|---------------|--------------|
| C6X6L1520DL | 27K | CLW           | C6L15N1      |

| Color temperature options |      | Reflector finish options |              |                            |             |
|---------------------------|------|--------------------------|--------------|----------------------------|-------------|
| Color temperature         | Code | Reflector finish         | White flange | Aperture - matching flange | Flangeless* |
| 2700K                     | 27K  | Specular clear           | CLW          | CLP                        | CLFT        |
| 3000K                     | 30K  | Comfort clear            | CCLW         | CCLP                       | CCLFT       |
| 3500K                     | 35K  | Comfort clear diffuse    | CCDW         | CCDP                       | CCDFT       |
| 4000K                     | 40K  | White                    | WHW          | N/A                        | WHFT        |

\*Available in 6"x6" only

## Trim/frame compatibility

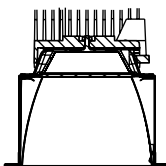
| Aperture | Trim kit    | Light engine description  | Frame-in kit*          | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-------------|---------------------------|------------------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4" x 4"  | C4X4L05DL   | 500 Lumen downlight       | C4X4L05N1              | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 3/4" | 6 1/4" |
|          |             |                           | C4X4L05N2              | Non-IC | 277V          | Remote phosphor |                         | 10 3/4" | 6 1/4" |
| 4" x 4"  | C4X4L10DL   | 1000 Lumen downlight      | C4X4L10N1              | Non-IC | 120V          | Remote phosphor |                         | 10 3/4" | 6 1/4" |
|          |             |                           | C4X4L10N2              | Non-IC | 277V          | Remote phosphor |                         | 10 3/4" | 6 1/4" |
| 6" x 6"  | C6X6L1520DL | 1500/2000 Lumen downlight | C6X6L15N1 (1500 Lumen) | Non-IC | 120V          | Remote phosphor |                         | 12 1/2" | 7 1/4" |
|          |             |                           | C6X6L15N2 (1500 Lumen) | Non-IC | 277V          | Remote phosphor |                         | 12 1/2" | 7 1/4" |
|          |             |                           | C6X6L20N1 (2000 Lumen) | Non-IC | 120V          | Remote phosphor |                         | 12 1/2" | 7 1/4" |
|          |             |                           | C6X6L20N2 (2000 Lumen) | Non-IC | 277V          | Remote phosphor |                         | 12 1/2" | 7 1/4" |

Length (bars) is 20" -30"

\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.

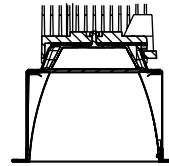
### 4"x4", 1000 Lumen

**Reflector trim:** C4X4L10DL30KCLW  
**Output lumens:** 1048  
**Correlated color temp:** 3000K



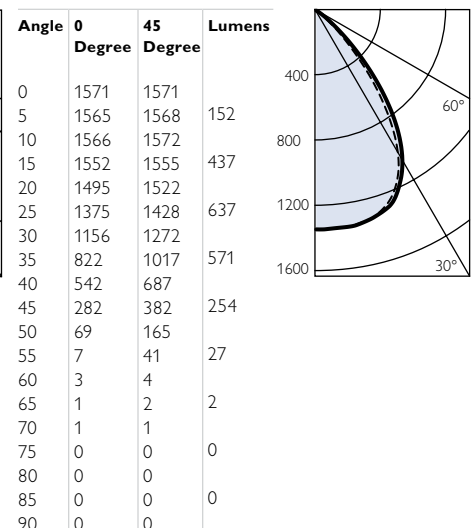
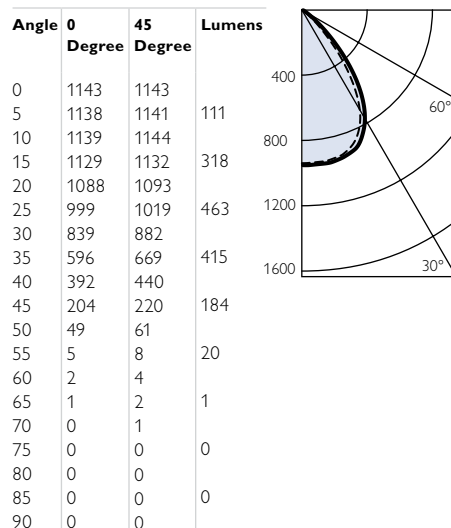
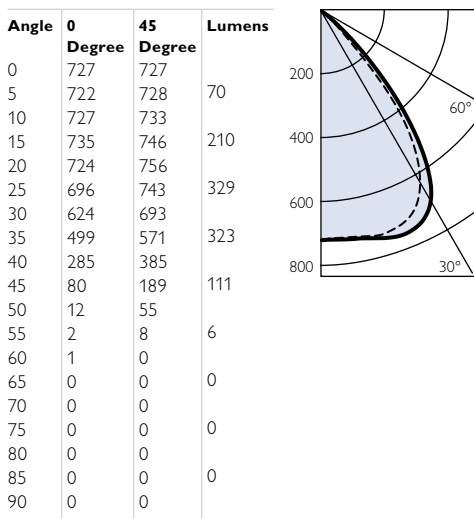
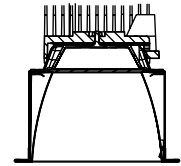
### 6"x6", 1500 Lumen

**Reflector trim:** C6X6L1520DL30KCLW  
**Output lumens:** 1512  
**Correlated color temp:** 3000K



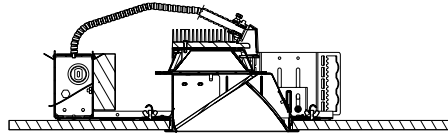
### 6"x6", 2000 Lumen

**Reflector trim:** C6X6L1520DL30KCLW  
**Output lumens:** 2081  
**Correlated color temp:** 3000K



# Calculite LED 4" & 6" squares

## Lensed wall washers



Color temperature options

Reflector finish options

| Color temperature | Code | Reflector finish      | White flange | Aperture - matching flange | Flangeless               |
|-------------------|------|-----------------------|--------------|----------------------------|--------------------------|
| 2700K             | 27K  | Specular clear        | CLW          | CLP                        | CLFT                     |
| 3000K             | 30K  | Comfort clear         | CCLW         | CCLP                       | CCLFT                    |
| 3500K             | 35K  | Comfort clear diffuse | CCDW         | CCDP                       | CCDFT                    |
| 4000K             | 40K  | Champagne bronze      | CCZW         | CCZP                       | WHFT                     |
|                   |      | White                 | WHW          | N/A                        | *Available in 6"x6" only |

How to specify

| Trim kit           | CCT        | Finish/flange | Frame-in kit     |
|--------------------|------------|---------------|------------------|
| <b>C6X6L1520WW</b> | <b>27K</b> | <b>CLW</b>    | <b>C6X6L15N1</b> |

Trim/frame compatibility

| Aperture | Trim kit    | Light engine description           | Frame-in kit*          | Type   | Input voltage | Technology      | Wattage**               | Width   | Height |
|----------|-------------|------------------------------------|------------------------|--------|---------------|-----------------|-------------------------|---------|--------|
| 4" x 4"  | C4X4L05WW   | 500 Lumen lensed wall washer       | C4X4L05N1              | Non-IC | 120V          | Remote phosphor | See specification sheet | 10 3/4" | 5 1/2" |
|          |             |                                    | C4X4L05N2              | Non-IC | 277V          | Remote phosphor |                         |         |        |
| 4" x 4"  | C4X4L10WW   | 1000 Lumen lensed wall washer      | C4X4L10N1              | Non-IC | 120V          | Remote phosphor | 10 3/4"                 | 5 1/2"  | 5 1/2" |
|          |             |                                    | C4X4L10N2              | Non-IC | 277V          | Remote phosphor |                         |         |        |
| 6" x 6"  | C6X6L1520WW | 1500/2000 Lumen lensed wall washer | C6X6L15N1 (1500 Lumen) | Non-IC | 120V          | Remote phosphor | 12 1/2"                 | 6 1/4"  | 6 1/4" |
|          |             |                                    | C6X6L15N2 (1500 Lumen) | Non-IC | 277V          | Remote phosphor |                         |         |        |
|          |             |                                    | C6X6L20N1 (2000 Lumen) | Non-IC | 120V          | Remote phosphor |                         |         |        |
|          |             |                                    | C6X6L20N2 (2000 Lumen) | Non-IC | 277V          | Remote phosphor |                         |         |        |

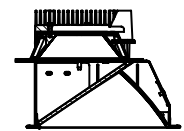
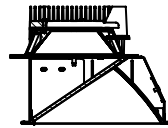
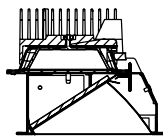
Length (bars) is 20" -30"

**\*\* As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

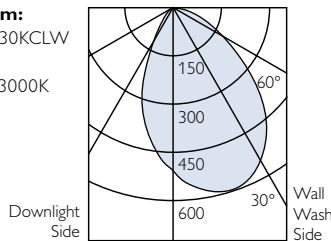
4"x4", 1000 Lumen

6"x6", 1500 Lumen

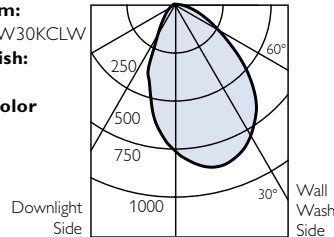
6"x6", 2000 Lumen



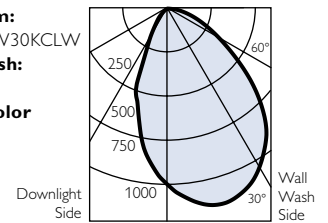
**Reflector trim:**  
C4X4L10WW30KCLW  
**Correlated color temp:** 3000K



**Reflector trim:**  
C6X6L1520WW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K



**Reflector trim:**  
C6X6L1520WW30KCLW  
**Reflector finish:**  
Specular clear  
**Correlated color temp:** 3000K



Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 12 | 11 | 12 |    |
| 2'                            | 21 | 19 | 21 |    |
| 3'                            | 24 | 24 | 24 |    |
| 4'                            | 21 | 21 | 21 |    |
| 5'                            | 18 | 18 | 18 |    |
| 6'                            | 14 | 14 | 14 |    |
| 7'                            | 12 | 12 | 12 |    |
| 8'                            | 10 | 10 | 10 |    |
| 9'                            | 8  | 8  | 8  |    |
| 10'                           | 7  | 7  | 7  |    |
| 12'                           | 5  | 5  | 5  |    |
| 14'                           | 5  | 5  | 5  |    |

Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 17 | 14 | 17 |    |
| 2'                            | 29 | 26 | 29 |    |
| 3'                            | 33 | 32 | 33 |    |
| 4'                            | 30 | 30 | 30 |    |
| 5'                            | 25 | 24 | 25 |    |
| 6'                            | 20 | 20 | 20 |    |
| 7'                            | 16 | 16 | 16 |    |
| 8'                            | 14 | 13 | 14 |    |
| 9'                            | 11 | 11 | 11 |    |
| 10'                           | 10 | 10 | 10 |    |
| 12'                           | 8  | 8  | 8  |    |
| 14'                           | 7  | 7  | 7  |    |

Multiple units Footcandles on wall

3' from wall - 3' on center

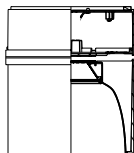
| Distance from ceiling in feet | 1' | 2' | 3' | 4' |
|-------------------------------|----|----|----|----|
| 1'                            | 1  | 23 | 19 | 23 |
| 2'                            | 2  | 40 | 35 | 40 |
| 3'                            | 3  | 46 | 45 | 46 |
| 4'                            | 4  | 41 | 41 | 41 |
| 5'                            | 5  | 34 | 34 | 34 |
| 6'                            | 6  | 27 | 27 | 27 |
| 7'                            | 7  | 22 | 22 | 22 |
| 8'                            | 8  | 19 | 19 | 19 |
| 9'                            | 9  | 16 | 16 | 16 |
| 10'                           | 10 | 14 | 14 | 14 |
| 12'                           | 12 | 11 | 11 | 11 |
| 14'                           | 14 | 9  | 9  | 9  |



# Calculate LED 4" & 7"



## Cylinders



### How to specify

| Trim kit       | CCT        | Beam (7" only) | Finish/Input voltage |
|----------------|------------|----------------|----------------------|
| <b>C7L15CW</b> | <b>27K</b> | <b>M</b>       | <b>CCLU</b>          |

(also available in Black)

### Color temperature options

| Color temperature | Code |
|-------------------|------|
| 2700K             | 27K  |
| 3000K             | 30K  |
| 3500K             | 35K  |
| 4000K             | 40K  |

### Reflector finish options

| Reflector finish | White flange | Voltage |
|------------------|--------------|---------|
| Comfort clear    | CCL          | U       |

### Trim/frame compatibility

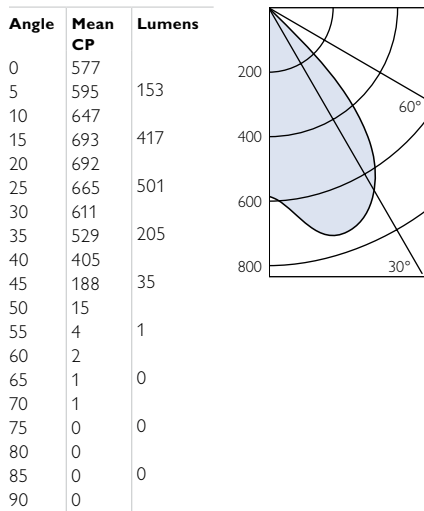
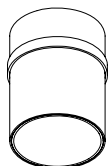
| Aperture | Cylinder    | Beam (7" only) | Description                             | Input voltage | Technology      | Wattage**               | Width  | Height |
|----------|-------------|----------------|---|---------------|-----------------|-------------------------|--------|--------|
| 4"       | C4L05CW     |                | 500 Lumen Surface Cylinder              | 120/277V      | Remote phosphor | See specification sheet | 5"     | 6 7/8" |
| 4"       | C4L10CW     |                | 1000 Lumen Surface Cylinder             | 120/277V      | Remote phosphor |                         | 5"     | 6 7/8" |
| 7"       | C7L15CW_--- | M              | 1500 Lumen Surface Cylinder-Medium Beam | 120/277V      | Remote phosphor |                         | 8 1/2" | 9 7/8" |
| 7"       | C7L20CW_--- | M              | 2000 Lumen Surface Cylinder-Medium Beam | 120/277V      | Remote phosphor |                         | 8 1/2" | 9 7/8" |
| 7"       | C7L15CW_--- | W              | 1500 Lumen Surface Cylinder-Wide Beam   | 120/277V      | Remote phosphor |                         | 8 1/2" | 9 7/8" |
| 7"       | C7L20CW_--- | W              | 2000 Lumen Surface Cylinder-Wide Beam   | 120/277V      | Remote phosphor |                         | 8 1/2" | 9 7/8" |

Length (bars) is 20" -30"

**\*\* As Calculate LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

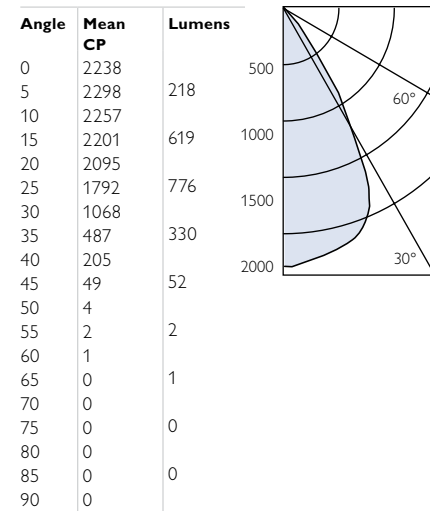
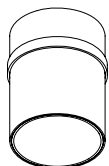
### 4", 1000 Lumen

**Reflector trim:** C4L10CW30KCLW  
**Output lumens:** 1034  
**Correlated color temp:** 3000K



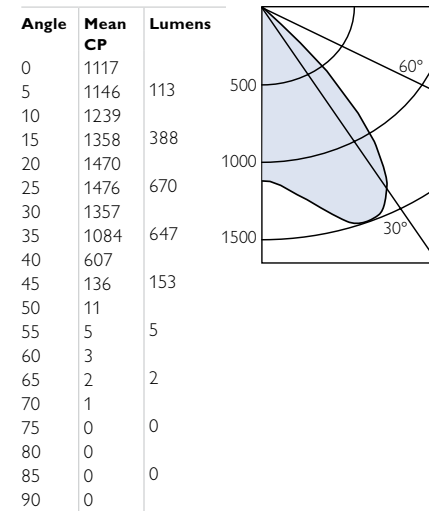
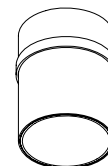
### 7", 2000 Lumen medium beam

**Reflector trim:** C7L20CW30KMCLW  
**Output lumens:** 1998  
**Correlated color temp:** 3000K



### 7", 2000 Lumen wide beam

**Reflector trim:** C7L20CW30KWCLW  
**Output lumens:** 1978  
**Correlated color temp:** 3000K

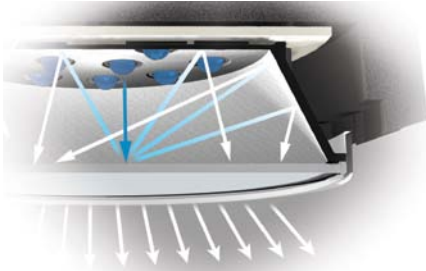


# Calculite LED

## Remote phosphor technology: features & benefits

### Key benefits

#### Maximum efficiency



Up to 60% of light that contacts phosphor, whether it's remote-mounted or applied directly to the chip, is back-reflected.

With Philips' remote-mounted phosphor system this back-reflected light can be utilized. Philips Lightolier developed an optimized, highly reflective mixing chamber which redirects this light, resulting in a 20% increase in system efficiency.

#### Color consistency



Variation in color across products has historically been a challenge for lighting products utilizing LED technology. This is in large part due to the process variability in applying phosphor directly to the LED diode.

Remote phosphor technology provides superior color consistency across products, as the phosphor is manufactured in large sheets, cut to shape, and laminated to diffusion film. This process results in color consistency  $\pm 100k$  across products.

#### As-specified performance

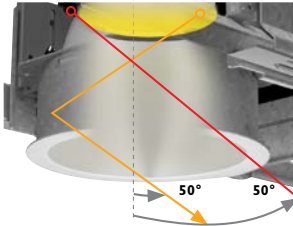


Calculite's remote phosphor technology ensures that the LED performance that's been specified will be available at construction rollout.

The phosphor itself is developed and manufactured exclusively from the LED chip and can therefore be modified as required to deliver the fixture performance expected when the lighting specification is written. This allows the product to change with technology gains, yet provide the same below-ceiling performance as specified.

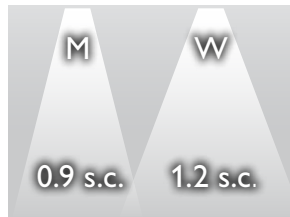
## Product features

### Comfort optics



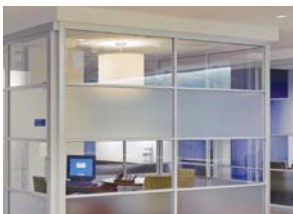
Designed specifically around the LED source Calculite Solid-State delivers true 50° physical and reflected cutoff for reduced aperture brightness and an unobtrusive ceiling presence.

### Beam distributions



Designed as a direct replacement for CFL, Calculite Solid-State offers medium and wide beam spread options where possible. Medium is an alternative to vertically-oriented CFL (0.9 s.c.), wide is an alternative to horizontal orientations (1.2 s.c.).

### Dimming/emergency capability



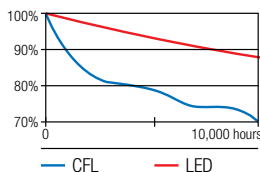
Electronic low voltage (5%), 0-10V (10%) and Lutron dimming options available depending on luminaire selected. See LED-DIM specification sheet for details. Both Integral (EM suffix) and low-wattage inverter (see LED-DIM specification sheet) options available for emergency backup.

### Decorative accessories



Calculite round aperture downlights are compatible with Vetro architectural decorative accessories. A flangeless "FT" trim is required.

### Lumen maintenance



Depreciating more consistently over time as compared to CFL, Calculite's LED downlight will provide at least 50,000 hours rated life at 70% lumen maintenance.

### Industry best warranty



Philips Lightolier is emphasizing confidence in our product and a commitment to our specifiers with an industry-best 5 year warranty covering all components. Conventional equipment typically offers separate warranties for the lamp and the ballast.

### Flangeless option



After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished. A flangeless "FT" trim is required. Accessory ring CA\_FMRLED recommended for gypsum applications.

### Flangeless option



#### Finishes

- CL** specular clear
- CCL** comfort clear
- CCD** comfort clear diffuse
- CCZ** champagne bronze
- WH** White

#### Flanges

- W** White
  - P** Polished
  - FT** Flangeless\*
- \*available in round only

## CFL lighting

Calcilite compact fluorescent downlights provide a broad assortment of light distributions in coordinated apertures, nominally 4" x 4", 4" x 9", 9" x 9", 4", 6", 7" and 8". Most use triple tube lamps, from 18W to 42W, for soft-edged, Energy Smart illumination.





## Contents

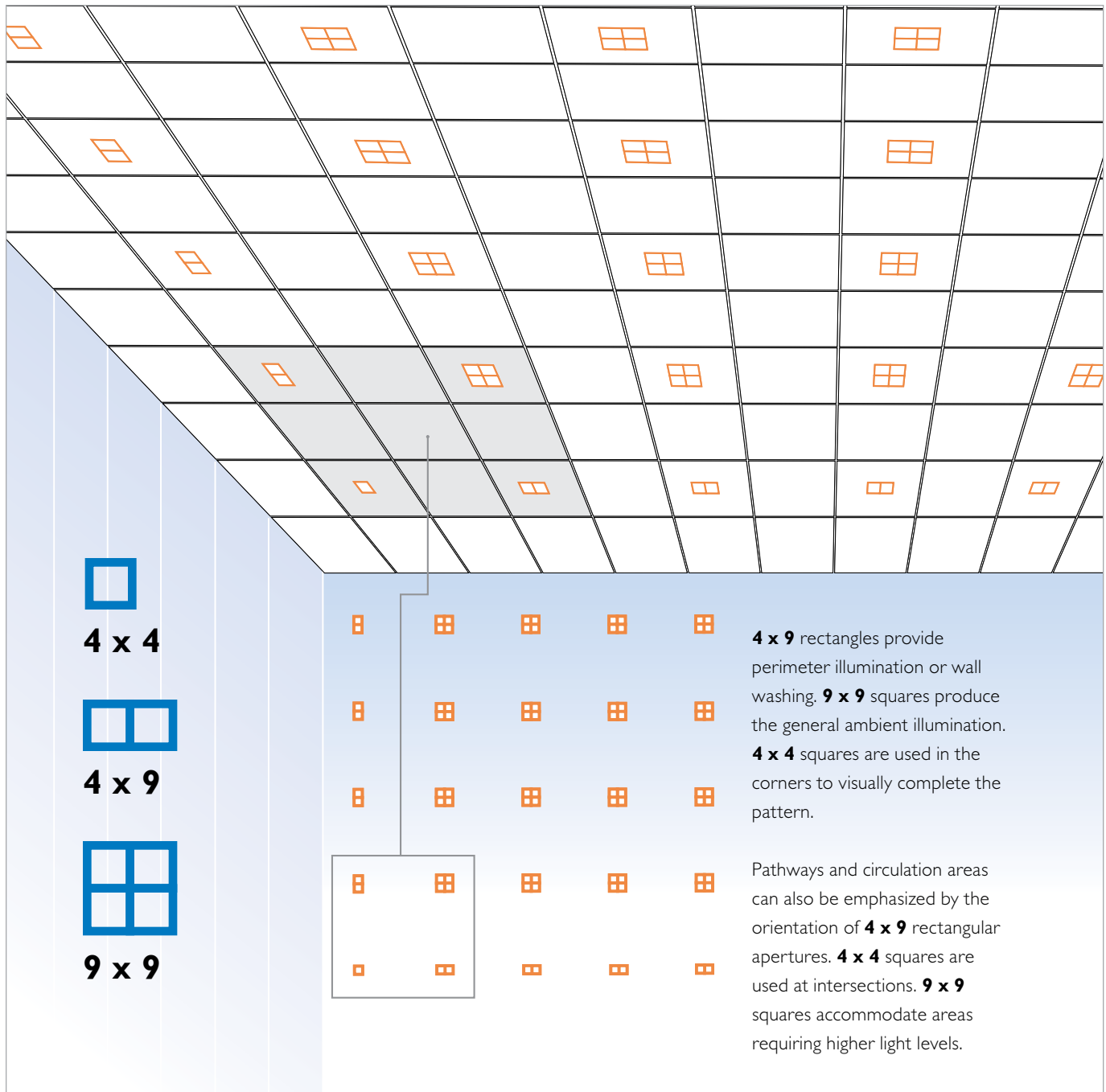
|                          |   |      |
|--------------------------|---|------|
| Rectilinear downlights   | > | 1.20 |
| Rectilinear wall washers | > | 1.26 |
| Round downlights         | > | 1.28 |
| Round wall washers       | > | 1.37 |
| Cylinders                | > | 1.42 |

# Matrix

**Matrix provides complete design flexibility with a palette of symmetrical elements in three sizes, each with a specific purpose and appearance.**

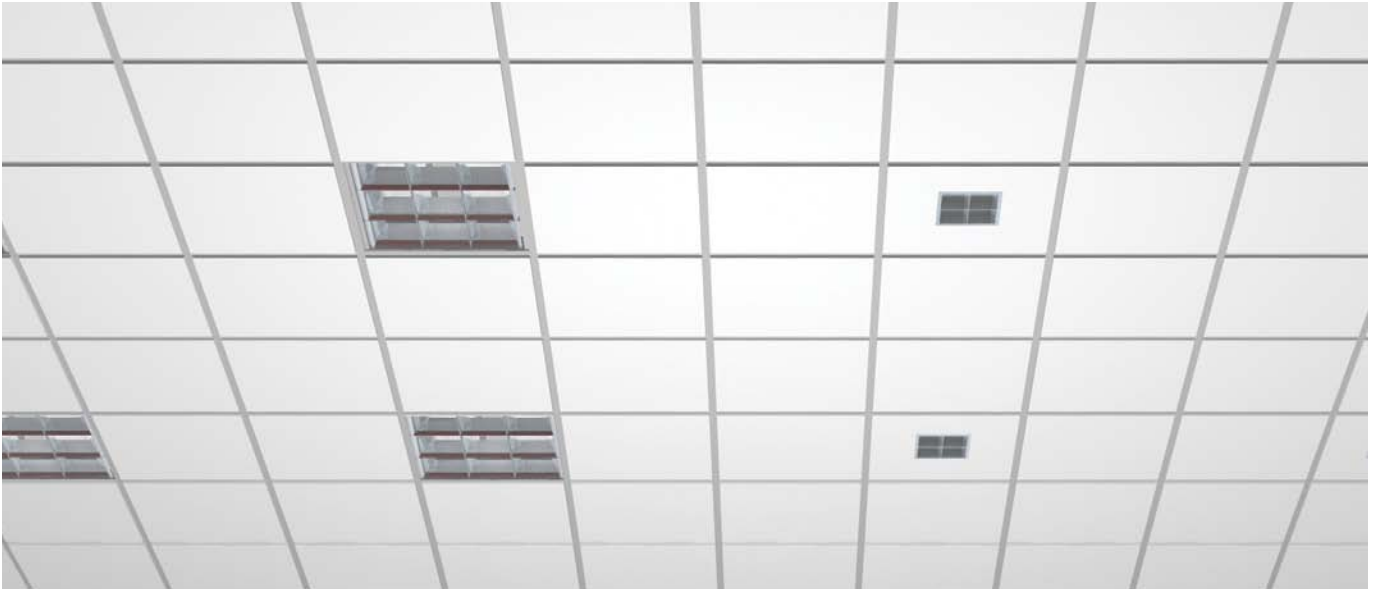
The apertures are developed from a base module that is a 4 1/2" square with 55° visual and reflected cutoff. The 4 1/2" by 9" rectangle is derived from 2 equal cells and the 9" by 9" square is a combination of 4 cells. Open downlights deliver high efficiency, excellent glare control and wide spacing. Lensed downlights offer reduced lamp image and are UL listed for installation in wet locations. Lensed wall washers provide smooth, even vertical illumination.

The combination of different aperture sizes and shapes can be used to accentuate interior architecture or create interesting patterns. The two square sizes complement the rectangular aperture and provide solutions for inside or outside corners and the ending of rows. The matrix system offers exciting new options for creating expressive, yet functional lighting plans. Matrix provides the lighting tools to accentuate feature areas, differentiate circulation areas or light entire spaces.



## Smaller is better

Compact lamps and efficient fixtures provide options for achieving high light levels while reducing the size of the ceiling opening. You no longer need to go to a 2' x 2' fluorescent product to provide adequate illumination and wide spacing. Matrix 9" x 9" square luminaires with two 42W triple tube compact fluorescent lamps are comparable in output to traditional recessed 2' x 2' troffers. Triple tube lamps have the added benefit of amalgam technology, which maintains lumen output over a wider range of operating temperatures.



24" x 24"  
Two 40W  
Twin tube  
75 Watts  
3680 Lumens

**VS.**



9" x 9"  
Two 42W  
Triple tube  
93 Watts  
3980 Lumens

Matrix 4" x 9" open downlights, 4' on center



6" round downlights, 4' on center

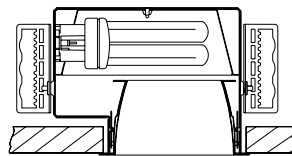


### Hallways and corridors

Matrix rectangular apertures are ideal for lighting long narrow spaces such as hallways and corridors. When installed parallel to the wall, these luminaires provide wide spacing and a clean, even beam pattern devoid of distracting scallops produced by round aperture downlights.

# 4 1/2" x 4 1/2" aperture

## Open downlight



**Ceiling cutout:** 5 1/8" x 5 1/8"  
**Ceiling thickness:** 1/4" Max.

### How to specify

| Trim kit       | Frame-in kit |
|----------------|--------------|
| 4X4 <b>CLW</b> | 4X4132HU     |

### Standard dimming options\*

| 4X4132H | <input type="text"/> | (add suffix in box) |
|---------|----------------------|---------------------|
| Suffix  | Ballast              | Input voltage       |
| CU3     | PowerSpec HDF        | 120/277V            |
| J1LD3   | Lutron 3%            | 120V                |
| J2LD3   | Lutron 3%            | 277V                |
| JUM7    | Mark 7               | 120/277V            |
| J1MX    | Mark 10              | 120V                |
| J2MX    | Mark 10              | 277V                |

### Reflector finish options

| Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-----------------------|--------------|----------------------------|------------|
| Specular clear        | CLW          | CLP                        | N/A        |
| Comfort clear         | CCLW         | CCLP                       | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                       | N/A        |
| White                 | WHW          | N/A                        | N/A        |

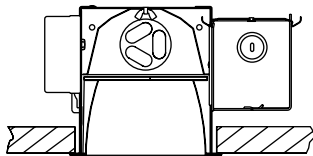
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

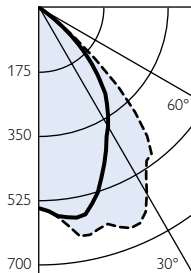
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp | Length | Width  | Height |
|---------------|--------|------------|---------------|------|--------------|--------|--------|--------|
| 4X4132HU      | Non-IC | Electronic | 120V/277V     | TRT  | 26/32W       | 10"    | 9 1/2" | 5 3/4" |
| 4X4132HUEM4E  | Non-IC | Emergency  | 120V/277V     | TRT  | 26/32W       | 10"    | 11"    | 5 3/4" |

### 4 1/2" x 4 1/2" 26W Triple tube

**Reflector trim:** 4X4 **CLW**

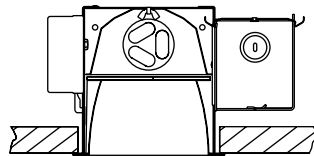


**Report:** 1763FR  
**Lamp:** 26W Triple  
**Initial lumens:** 1,800  
**Efficiency:** 54.5%  
**Spacing:** 1.1 X 1.4

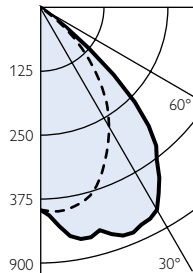


### 4 1/2" x 4 1/2" 32W Triple tube

**Reflector trim:** 4X4 **CLW**



**Report:** 1710FR  
**Lamp:** 32W Triple  
**Initial lumens:** 2,400  
**Efficiency:** 54.7%  
**Spacing:** 1.1 X 1.5



Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 42                  | 1.12            |
| 6'                | 30                  | 0.78            |
| 8'                | 17                  | 0.44            |
| 10'               | 11                  | 0.28            |
| 12'               | 7                   | 0.19            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

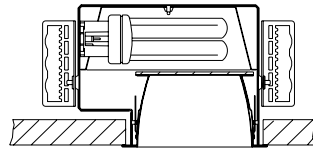
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 57                  | 1.44            |
| 6'                | 39                  | 1.00            |
| 8'                | 22                  | 0.56            |
| 10'               | 14                  | 0.36            |
| 12'               | 10                  | 0.25            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 4 1/2" x 4 1/2" aperture

## Lensed downlight



**Ceiling cutout:** 5 1/8" x 5 1/8"  
**Ceiling thickness:** 1 1/4" Max.

### Standard dimming options\*

| 4X4132H <input type="checkbox"/> (add suffix in box) |               |               |
|--|---------------|---------------|
| Suffix   | Ballast       | Input voltage |
| CU3  | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products.  
 See product specification sheet for details.

### Reflector finish options

| Reflector finish      | White flange | Aperture - matching flange | Flangeless |
|-----------------------|--------------|----------------------------|------------|
| Specular clear        | CLW          | CLP                        | N/A        |
| Comfort clear         | CCLW         | CCLP                       | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                       | N/A        |
| White                 | WHW          | N/A                        | N/A        |

### How to specify

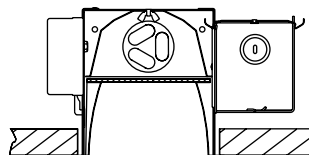
| Trim kit  | Frame-in kit |
|---|--------------|
| 4X4PL (prismatic) <input type="checkbox"/> CLW    | 4X4132HU     |
| 4X4LFL (light frost) <input type="checkbox"/> CLW | 4X4132HU     |

### Trim/frame compatibility

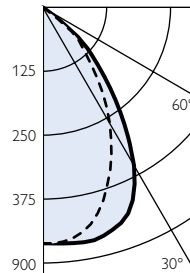
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp | Length | Width  | Height |
|---------------|--------|------------|---------------|------|--------------|--------|--------|--------|
| 4X4132HU      | Non-IC | Electronic | 120V/277V     | TRT  | 26/32W       | 10"    | 9 1/2" | 5 3/4" |

### 4 1/2" x 4 1/2" 26W Triple tube

**Reflector trim:** 4X4PL  CLW



**Report:** 1764FR  
**Lamp:** 26W Triple  
**Initial lumens:** 1,800  
**Efficiency:** 47.4%  
**Spacing:** 1.0 X 1.2



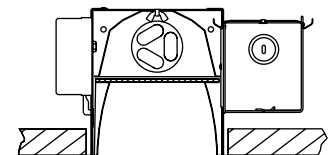
#### Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 37                  | 1.12            |
| 6'                | 26                  | 0.78            |
| 8'                | 15                  | 0.44            |
| 10'               | 9                   | 0.28            |
| 12'               | 7                   | 0.19            |

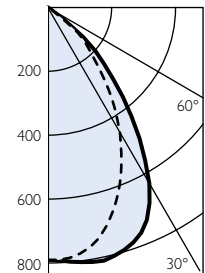
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 4 1/2" 32W Triple tube

**Reflector trim:** 4X4PL  CLW



**Report:** 1909FR  
**Lamp:** 32W Triple  
**Initial lumens:** 2,400  
**Efficiency:** 44.0%  
**Spacing:** 1.0 X 1.2



#### Multiple unit data (RCR 1)

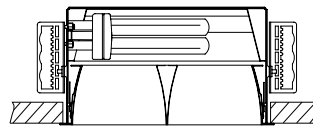
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 46                  | 1.44            |
| 6'                | 32                  | 1.00            |
| 8'                | 18                  | 0.56            |
| 10'               | 12                  | 0.36            |
| 12'               | 8                   | 0.25            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.



# 4 1/2" x 9" aperture

## Open downlight



**Ceiling cutout:** 5 1/8" x 9 3/8"  
**Ceiling thickness:** 1 1/4" Max.

### How to specify

| Trim kit                         | Frame-in kit |
|----------------------------------|--------------|
| 4X9 <input type="checkbox"/> CLW | 4X9142HU     |

### Standard dimming options\*

4X9142H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products.  
 See product specification sheet for details.

### Reflector finish options

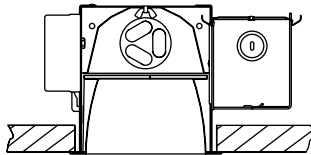
| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | N/A        |
| Comfort clear         | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                     | N/A        |
| White                 | WHW          | N/A                      | N/A        |

### Trim/frame compatibility

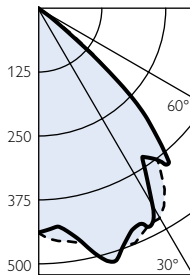
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp   | Wattage-lamp                      | Length  | Width  | Height |
|---------------|--------|------------|---------------|--------|-----------------------------------|---------|--------|--------|
| 4X9142HU      | Non-IC | Electronic | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 9 1/2" | 5 3/4" |
| 4X9142HUEM    | Non-IC | Emergency  | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 11"    | 5 3/4" |

### 4 1/2" x 9" 26W quad

Reflector trim: 4X9  CLW



**Report:** 1762FR  
**Lamp:** 26W Quad  
**Initial lumens:** 1,800  
**Efficiency:** 55.5%  
**Spacing:** 1.5 X 1.3



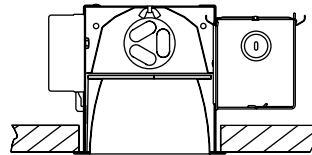
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 43                  | 1.12            |
| 6'                | 30                  | 0.78            |
| 8'                | 17                  | 0.44            |
| 10'               | 11                  | 0.28            |
| 12'               | 8                   | 0.19            |

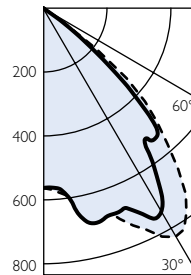
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 9" 32W Triple tube

Reflector trim: 4X9  CLW



**Report:** 1761FR  
**Lamp:** 32W Triple  
**Initial lumens:** 2,400  
**Efficiency:** 69.3%  
**Spacing:** 1.7 X 1.5



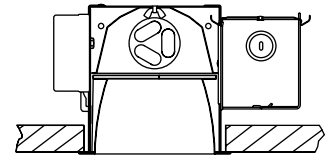
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 72                  | 1.44            |
| 6'                | 50                  | 1.00            |
| 8'                | 28                  | 0.56            |
| 10'               | 18                  | 0.36            |
| 12'               | 13                  | 0.25            |

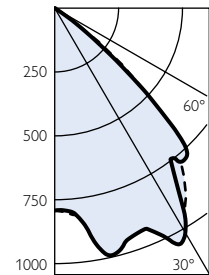
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 9" 42W Triple tube

Reflector trim: 4X9  CLW



**Report:** 1760FR  
**Lamp:** 42W Triple  
**Initial lumens:** 3,200  
**Efficiency:** 66.1%  
**Spacing:** 1.6 X 1.5



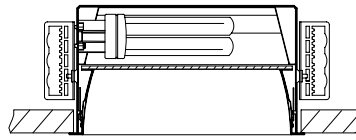
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 92                  | 1.80            |
| 6'                | 64                  | 1.25            |
| 8'                | 36                  | 0.70            |
| 10'               | 23                  | 0.45            |
| 12'               | 16                  | 0.31            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 4 1/2" x 9" aperture

## Lensed downlight



**Ceiling cutout:** 5 1/8" x 9 5/8"  
**Ceiling thickness:** 1 1/4" Max.



### Standard dimming options\*

4X9142H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products. See product specification sheet for details.

### Reflector finish options

| Reflector finish      | White Flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | N/A        |
| Comfort clear         | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                     | N/A        |
| White                 | WHW          | N/A                      | N/A        |

### How to specify

Trim kit  Frame-in kit

4X9PL (prismatic)  4X9142HU

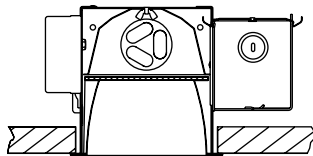
4X9LFL (light frost)

### Trim/frame compatibility

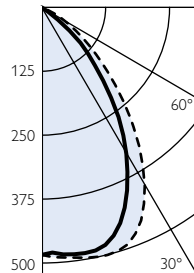
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp   | Wattage-lamp                      | Length  | Width  | Height |
|---------------|--------|------------|---------------|--------|-----------------------------------|---------|--------|--------|
| 4X9142HU      | Non-IC | Electronic | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 9 1/2" | 5 3/4" |
| 4X9142HUEM    | Non-IC | Emergency  | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 11"    | 5 3/4" |

### 4 1/2" x 9" 26W quad

**Reflector trim:** 4X9PL



**Report:** 1624FR  
**Lamp:** 26W Quad  
**Initial lumens:** 1,800  
**Efficiency:** 43.4%  
**Spacing:** 1.2 X 1.1



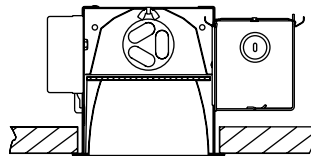
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 34                  | 1.12            |
| 6'                | 24                  | 0.78            |
| 8'                | 13                  | 0.44            |
| 10'               | 8                   | 0.28            |
| 12'               | 6                   | 0.19            |

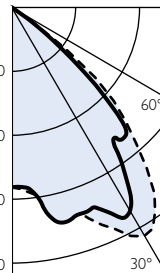
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 9" 32W Triple tube

**Reflector trim:** 4X9PL



**Report:** 1617FR  
**Lamp:** 32W Triple  
**Initial lumens:** 2,400  
**Efficiency:** 62.2%  
**Spacing:** 1.3 X 1.1



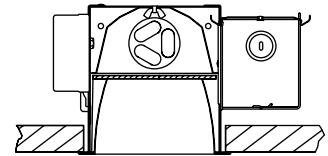
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 65                  | 1.44            |
| 6'                | 49                  | 1.08            |
| 8'                | 26                  | 0.58            |
| 10'               | 14                  | 0.31            |
| 12'               | 11                  | 0.23            |

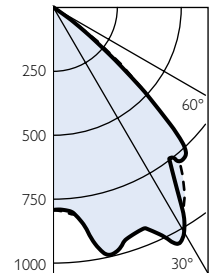
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 9" 42W Triple tube

**Reflector trim:** 4X9PL



**Report:** 1610FR  
**Lamp:** 42W Triple  
**Initial lumens:** 3,200  
**Efficiency:** 61.1%  
**Spacing:** 1.2 X 1.1



Multiple unit data (RCR 1)

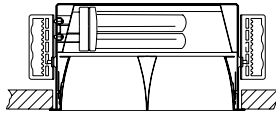
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 85                  | 1.96            |
| 6'                | 64                  | 1.47            |
| 8'                | 34                  | 0.78            |
| 10'               | 19                  | 0.43            |
| 12'               | 14                  | 0.31            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 9" x 9" aperture



## Open downlight



**Ceiling cutout:** 9 5/8" x 9 5/8"  
**Ceiling thickness:** 1 1/4" Max.

### How to specify

| Trim kit       | Frame-in kit |
|----------------|--------------|
| 9X9 <b>CLW</b> | 9X9242HU     |

### Standard dimming options\*

| 9X9242H <input type="checkbox"/> | (add suffix in box) |               |
|----------------------------------|---------------------|---------------|
| Suffix                           | Ballast             | Input voltage |
| <b>CU3</b>                       | PowerSpec HDF       | 120/277V      |
| <b>J1LD3</b>                     | Lutron 3%           | 120V          |
| <b>J2LD3</b>                     | Lutron 3%           | 277V          |
| <b>JUM7</b>                      | Mark 7              | 120/277V      |
| <b>J1MX</b>                      | Mark 10             | 120V          |
| <b>J2MX</b>                      | Mark 10             | 277V          |

\* Some dimming options not available on all products.  
 See product specification sheet for details.

### Reflector finish options

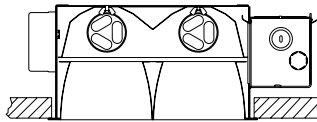
| Reflector finish      | White flange | Aperture Matching Flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | N/A        |
| Comfort clear         | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                     | N/A        |
| White                 | WHW          | N/A                      | N/A        |

### Trim/frame compatibility

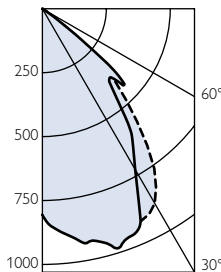
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp   | Wattage-lamp | Length  | Width   | Height |
|---------------|--------|------------|---------------|--------|--------------|---------|---------|--------|
| 9X9242HU      | Non-IC | Electronic | 120V/277V     | QT/TRT | (2) 32/42W   | 12 1/2" | 14"     | 5 3/4" |
| 9X9242HUEM    | Non-IC | Emergency  | 120V/277V     | QT/TRT | (2) 32/42W   | 12 1/2" | 15 3/4" | 5 3/4" |

### 9" x 9" 26W quad

**Reflector trim:** 9X9 **CLW**



**Report no.:** 1775FR  
**Lamp:** 26W Quad  
**Initial lumens:** 3,600  
**Efficiency:** 48.6%  
**Spacing:** 1.4 X 1.3



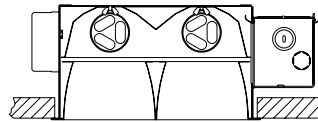
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 76                  | 2.24            |
| 6'                | 53                  | 1.56            |
| 8'                | 30                  | 0.88            |
| 10'               | 19                  | 0.56            |
| 12'               | 13                  | 0.39            |

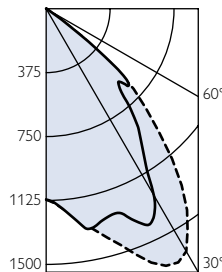
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 9" x 9" 32W Triple tube

**Reflector trim:** 9X9 **CLW**



**Report no.:** 1776FR  
**Lamp:** 32W Triple  
**Initial lumens:** 4,800  
**Efficiency:** 63.0%  
**Spacing:** 1.6 X 1.4



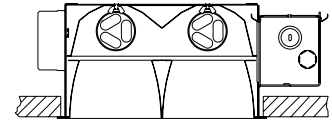
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 131                 | 2.76            |
| 6'                | 91                  | 1.92            |
| 8'                | 51                  | 1.08            |
| 10'               | 33                  | 0.69            |
| 12'               | 23                  | 0.48            |

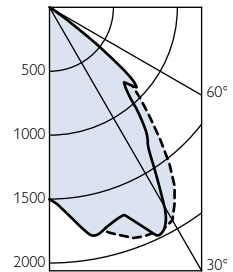
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 9" x 9" 42W Triple tube

**Reflector trim:** 9X9 **CLW**



**Report no.:** 1777FR  
**Lamp:** 42W Triple  
**Initial lumens:** 6,400  
**Efficiency:** 60.1%  
**Spacing:** 1.6 X 1.4



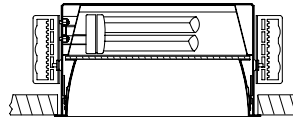
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 166                 | 3.64            |
| 6'                | 116                 | 2.53            |
| 8'                | 65                  | 1.42            |
| 10'               | 42                  | 0.91            |
| 12'               | 29                  | 0.63            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 9" x 9" aperture

## Lensed downlight



**Ceiling cutout:** 9 5/8" x 9 5/8"  
**Ceiling thickness:** 1 1/4" Max.



### Standard dimming options\*

9X9242H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products.  
See product specification sheet for details.

### Reflector finish options

| Reflector finish            | White Flange | Aperture Matching Flange | Flangeless |
|-----------------------------|--------------|--------------------------|------------|
| Specular clear              | CLW          | CLP                      | N/A        |
| Comfort clear               | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse White | CCDW         | CCDP                     | N/A        |
|                             | WHW          | N/A                      | N/A        |

### How to specify

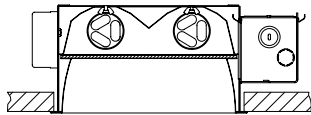
| Trim kit   | Frame-in kit |
|--|--------------|
| 9X9PL (prismatic) <input type="checkbox"/> CLW   | 9X9242HU     |
| 9X9FL (light frost) <input type="checkbox"/> CLW |              |

### Trim/frame compatibility

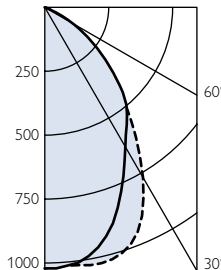
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp   | Wattage-lamp  | Length  | Width   | Height |
|---------------|--------|------------|---------------|--------|---------------|---------|---------|--------|
| 9X9242HU      | Non-IC | Electronic | 120V/277V     | QT/TRT | (2) 26/32/42W | 12 1/2" | 14"     | 5 3/4" |
| 9X9242HUEM    | Non-IC | Emergency  | 120V/277V     | QT/TRT | (2) 26/32/42W | 12 1/2" | 15 3/4" | 5 3/4" |

### 9" x 9" 26W quad

**Reflector trim:** 9X9PL  CLW



**Report no.:** 1657FR  
**Lamp:** 26W Quad  
**Initial lumens:** 3,600  
**Efficiency:** 47.1%  
**Spacing:** 1.1 X 1.0



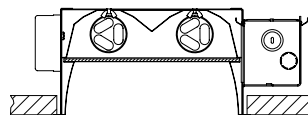
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 73                  | 2.24            |
| 6'                | 51                  | 1.56            |
| 8'                | 29                  | 0.88            |
| 10'               | 18                  | 0.56            |
| 12'               | 13                  | 0.39            |

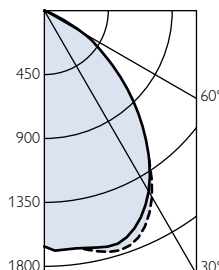
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 9" x 9" 32W Triple tube

**Reflector trim:** 9X9PL  CLW



**Report no.:** 1956FR  
**Lamp:** 32W Triple  
**Initial lumens:** 4,800  
**Efficiency:** 72.1%  
**Spacing:** 1.3 X 1.3



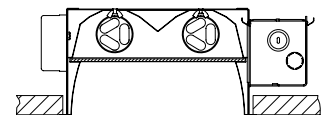
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 150                 | 2.76            |
| 6'                | 104                 | 1.92            |
| 8'                | 59                  | 1.08            |
| 10'               | 37                  | 0.69            |
| 12'               | 26                  | 0.48            |

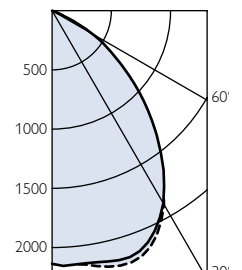
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 9" x 9" 42W Triple tube

**Reflector trim:** 9X9PL  CLW



**Report no.:** 1953FR  
**Lamp:** 42W Triple  
**Initial lumens:** 6,400  
**Efficiency:** 68.7%  
**Spacing:** 1.3 X 1.3



Multiple unit data (RCR 1)

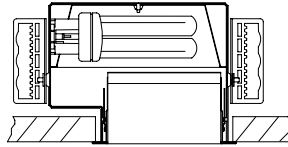
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 189                 | 3.64            |
| 6'                | 132                 | 2.53            |
| 8'                | 74                  | 1.42            |
| 10'               | 47                  | 0.91            |
| 12'               | 33                  | 0.63            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 4 1/2" x 4 1/2" aperture



## Lensed wall washer



**Ceiling cutout:** 5 1/8" x 5 1/8"  
**Ceiling thickness:** 1/4" Max.

### How to specify

| Trim kit  | Frame-in kit |
|---|--------------|
| 4X4LW <span style="border: 1px solid black; padding: 0 2px;">CLW</span> | 4X4132HU     |

### Standard dimming options\*

| 4X4132H      |               | (add suffix in box) |
|--------------|---------------|---------------------|
| Suffix       | Ballast       | Input voltage       |
| <b>CU3</b>   | PowerSpec HDF | 120/277V            |
| <b>J1LD3</b> | Lutron 3%     | 120V                |
| <b>J2LD3</b> | Lutron 3%     | 277V                |
| <b>JUM7</b>  | Mark 7        | 120/277V            |
| <b>J1MX</b>  | Mark 10       | 120V                |
| <b>J2MX</b>  | Mark 10       | 277V                |

\* Some dimming options not available on all products.  
 See product specification sheet for details.

### Reflector finish options

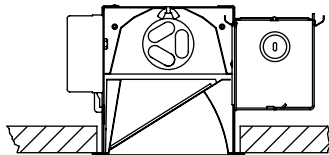
| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | N/A        |
| Comfort clear         | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                     | N/A        |
| White                 | WHW          | N/A                      | N/A        |

### Trim/frame compatibility

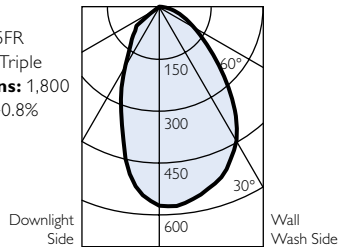
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp | Length | Width  | Height |
|---------------|--------|------------|---------------|------|--------------|--------|--------|--------|
| 4X4132HU      | Non-IC | Electronic | 120V/277V     | TRT  | 26/32W       | 10"    | 9 1/2" | 5 3/4" |

### 4 1/2" x 4 1/2" 26W Triple tube

**Reflector trim:** 4X4LW CLW

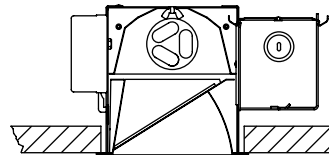


**Report:** 1765FR  
**Lamp:** 26W Triple  
**Initial lumens:** 1,800  
**Efficiency:** 40.8%

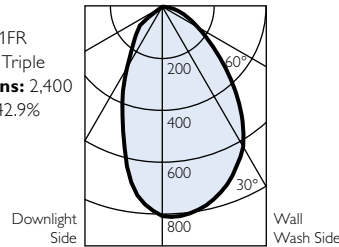


### 4 1/2" x 4 1/2" 32W Triple tube

**Reflector trim:** 4X4LW CLW

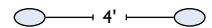


**Report:** 1981FR  
**Lamp:** 32W Triple  
**Initial lumens:** 2,400  
**Efficiency:** 42.9%



#### Multiple units Footcandles on wall

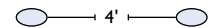
3' from wall - 4' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4  |
|-------------------------------|----|----|----|----|
| 1                             | 7  | 4  | 7  | 7  |
| 2                             | 11 | 8  | 11 | 11 |
| 3                             | 13 | 10 | 13 | 13 |
| 4                             | 12 | 11 | 12 | 12 |
| 5                             | 11 | 10 | 11 | 11 |
| 6                             | 9  | 9  | 9  | 9  |
| 7                             | 7  | 7  | 7  | 7  |
| 8                             | 6  | 6  | 6  | 6  |
| 9                             | 5  | 5  | 5  | 5  |
| 10                            | 5  | 4  | 5  | 5  |

#### Multiple units Footcandles on wall

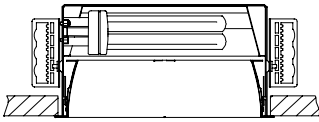
3' from wall - 4' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4  |
|-------------------------------|----|----|----|----|
| 1                             | 10 | 6  | 10 | 10 |
| 2                             | 16 | 12 | 16 | 16 |
| 3                             | 18 | 14 | 18 | 18 |
| 4                             | 17 | 15 | 17 | 17 |
| 5                             | 15 | 14 | 15 | 15 |
| 6                             | 12 | 12 | 12 | 12 |
| 7                             | 10 | 10 | 10 | 10 |
| 8                             | 9  | 8  | 9  | 9  |
| 9                             | 7  | 7  | 7  | 7  |
| 10                            | 6  | 6  | 6  | 6  |

# 4 1/2" x 9" aperture

## Lensed wall washer



**Ceiling cutout:** 5 1/8" x 9 3/8"  
**Ceiling thickness:** 1 1/4" Max.



### Standard dimming options\*

4X9142H    (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products.  
 See product specification sheet for details.

### Reflector finish options

| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | N/A        |
| Comfort clear         | CCLW         | CCLP                     | N/A        |
| Comfort clear diffuse | CCDW         | CCDP                     | N/A        |
| White                 | WHW          | N/A                      | N/A        |

### How to specify

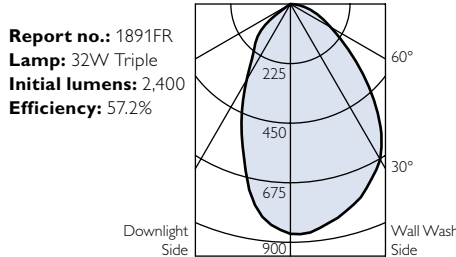
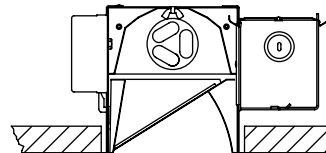
| Trim kit  | Frame-in kit |
|---|--------------|
| 4X9LW <span style="border: 1px solid black; padding: 2px;">CLW</span> | 4X9142HU     |

### Trim/frame compatibility

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp   | Wattage-lamp                      | Length  | Width  | Height |
|---------------|--------|------------|---------------|--------|-----------------------------------|---------|--------|--------|
| 4X9142HU      | Non-IC | Electronic | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 9 1/2" | 5 3/4" |
| 4X9142HUEM    | Non-IC | Emergency  | 120V/277V     | QT/TRT | <b>QT:</b> 26W <b>TRT:</b> 32/42W | 12 1/2" | 11"    | 5 3/4" |

### 4 1/2" x 9" 32W Triple tube

**Reflector trim:** 4X9LW CLW



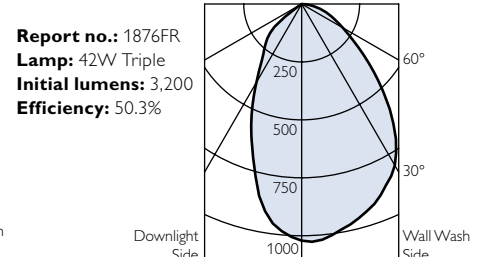
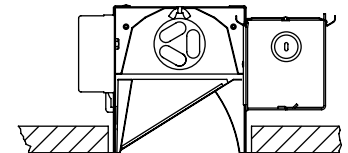
#### Multiple units Footcandles on wall

3' from wall - 4' on center

| Distance from ceiling in feet | 1  | 2  | 3  | 4  |
|-------------------------------|----|----|----|----|
| 1                             | 12 | 9  | 12 | 12 |
| 2                             | 19 | 17 | 19 | 19 |
| 3                             | 23 | 21 | 23 | 23 |
| 4                             | 22 | 22 | 22 | 22 |
| 5                             | 19 | 19 | 19 | 19 |
| 6                             | 16 | 16 | 16 | 16 |
| 7                             | 14 | 13 | 14 | 14 |
| 8                             | 11 | 11 | 11 | 11 |
| 9                             | 10 | 10 | 10 | 10 |
| 10                            | 8  | 8  | 8  | 8  |

### 4 1/2" x 9" 42W Triple tube

**Reflector trim:** 4X9LW CLW



#### Multiple units Footcandles on wall

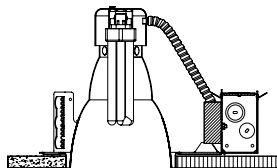
3' from wall - 4' on center

| Distance from ceiling in feet | 1  | 2  | 3  | 4  |
|-------------------------------|----|----|----|----|
| 1                             | 14 | 10 | 14 | 14 |
| 2                             | 22 | 19 | 22 | 22 |
| 3                             | 27 | 25 | 27 | 27 |
| 4                             | 26 | 26 | 26 | 26 |
| 5                             | 23 | 23 | 23 | 23 |
| 6                             | 19 | 19 | 19 | 19 |
| 7                             | 16 | 16 | 16 | 16 |
| 8                             | 13 | 13 | 13 | 13 |
| 9                             | 11 | 11 | 11 | 11 |
| 10                            | 10 | 10 | 10 | 10 |



# 4", 6", 7" & 8" aperture

## Vertical open downlight



### How to specify

|                 |              |
|-----------------|--------------|
| Trim kit        | Frame-in kit |
| 8021 <b>CLW</b> | S6132BU      |

### Standard dimming options\*

| S6132B <input type="text"/> | (add suffix in box) |               |
|-----------------------------|---------------------|---------------|
| Suffix                      | Ballast             | Input voltage |
| CU3                         | PowerSpec HDF       | 120/277V      |
| J1LD3                       | Lutron 3%           | 120V          |
| J2LD3                       | Lutron 3%           | 277V          |
| JUM7                        | Mark 7              | 120/277V      |
| J1MX                        | Mark 10             | 120V          |
| J2MX                        | Mark 10             | 277V          |

### Reflector finish options

| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

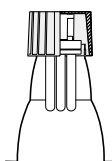
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

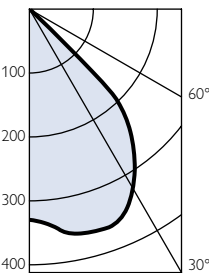
| Aperture | Trim kit | Frame-in kits | Ceiling cutout | Type   | Ballast                   | Input voltage | Lamp | Wattage   | Length   | Width    | Height  |
|----------|----------|---------------|----------------|--------|---------------------------|---------------|------|-----------|----------|----------|---------|
| 4"       | 8011     | 4118VU        | 5 1/16"        | Non-IC | Electronic                | 120/277V      | TRT  | 18W       | 20"- 30" | 8 1/16"  | 8 1/8"  |
| 6"       | 8011     | 4118VUEM      | 5 1/16"        | Non-IC | Emergency                 | 120/277V      | TRT  | 18W       | 20"- 30" | 9 5/8"   | 8 1/8"  |
| 6"       | 8021     | S6132BU       | 6 9/16"        | Non-IC | Electronic                | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"      | 9 7/8"  |
| 7"       | 8021...E | S6132BUEM     | 6 9/16"        | Non-IC | Emergency-integral switch | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 1/16" | 9 7/8"  |
| 7"       | 8022     | S7132BU       | 8"             | Non-IC | Electronic                | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/4"  | 11 1/8" |
| 7"       | 8022...E | S7132BUEM     | 8"             | Non-IC | Emergency-integral switch | 120/277V      | TRT  | 26/32W    | 20"- 30" | 13 5/16" | 11 1/8" |
| 7"       | 8022     | S7142BU       | 8"             | Non-IC | Electronic                | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/4"  | 11 1/8" |
| 7"       | 8022...E | S7142BUEM     | 8"             | Non-IC | Emergency-integral switch | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 13 5/16" | 11 1/8" |
| 8"       | 8023     | S8142BU       | 9 1/4"         | Non-IC | Electronic                | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 1/2"  | 11 3/4" |
| 8"       | 8023     | S8142BUEM     | 9 1/4"         | Non-IC | Emergency                 | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 14 1/16" | 11 3/4" |

### 4 1/2" 18W Triple tube

Reflector trim: 8011 **CCLW**



**Lamp lumens:** 1200  
**Efficiency:** 42%  
**Luminaire lumens:** 507  
**Spacing ratio:** 1.2  
**Cut-off:** 50°



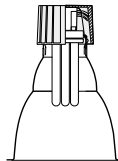
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 23                  | 0.76            |
| 6'                | 16                  | 0.53            |
| 7'                | 12                  | 0.39            |
| 8'                | 9                   | 0.29            |
| 9'                | 7                   | 0.23            |

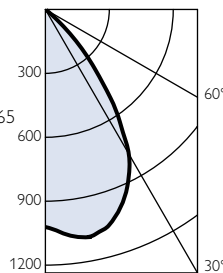
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 6" 32W Triple tube

Reflector trim: 8021 **CCLW**



**Lamp lumens:** 2400  
**Efficiency:** 52.7%  
**Luminaire lumens:** 1265  
**Spacing ratio:** 1.1  
**Cut-off:** 50°



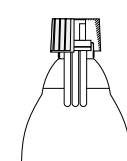
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 57                  | 1.40            |
| 6'                | 39                  | 0.97            |
| 7'                | 22                  | 0.55            |
| 8'                | 17                  | 0.43            |
| 9'                | 14                  | 0.35            |

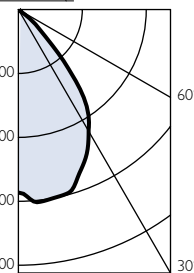
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 8" 42W Triple tube

Reflector trim: 8023 **CCLW**



**Lamp lumens:** 3200  
**Efficiency:** 63%  
**Luminaire lumens:** 2019  
**Spacing ratio:** 0.9  
**Cut-off:** 50°



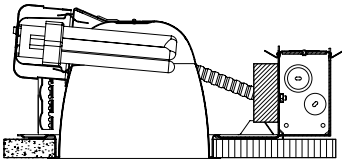
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 65                  | 1.40            |
| 6'                | 45                  | 1.00            |
| 8'                | 26                  | 0.55            |
| 9'                | 20                  | 0.43            |
| 10'               | 16                  | 0.35            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 6" & 7" aperture

## Horizontal open downlight (1 lamp)



### Standard dimming options\*

S6132BU  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

Trim kit **8031**  **CLW** Frame-in kit **S6132BU**

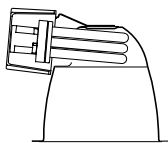
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

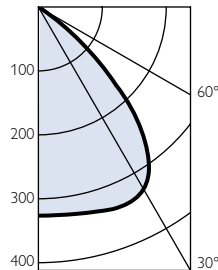
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast            | Input voltage | Lamp | Wattage   | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|--------------------|---------------|------|-----------|----------|-----------|--------|
| 6"       | 8031     | S6132BU       | 6 9/16"        | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"       | 6 7/8" |
| 6"       | 8031...E | S6132BUEM     | 6 9/16"        | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 9/16"  | 6 7/8" |
| 7"       | 8037     | S7132BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/8"   | 7 3/4" |
| 7"       | 8037...E | S7132BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 12 15/16" | 7 3/4" |
| 7"       | 8037     | S7142BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8"   | 7 3/4" |
| 7"       | 8037...E | S7142BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 15/16" | 7 3/4" |

### 6" 26W Triple tube

Reflector trim: 8031  **CLW**



**Report no.:** LRL796-1A  
**Lamp lumens:** 1800  
**Efficiency:** 62%  
**Luminaire lumens:** 1109  
**Spacing ratio:** 1.4  
**Cut-off:** 55°



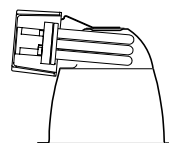
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 46                  | 1.24            |
| 6'                | 33                  | 0.86            |
| 8'                | 18                  | 0.48            |
| 10'               | 12                  | 0.31            |
| 12'               | 8                   | 0.21            |

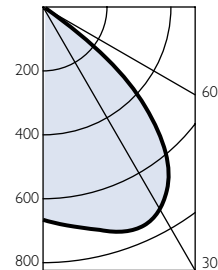
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 6" 32W Triple tube

Reflector trim: 8031  **CLW**



**Report no.:** LRL796-1B  
**Lamp lumens:** 2400  
**Efficiency:** 62%  
**Luminaire lumens:** 1493  
**Spacing ratio:** 1.4  
**Cut-off:** 55°



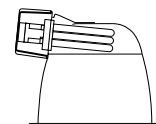
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 63                  | 0.76            |
| 6'                | 44                  | 0.53            |
| 8'                | 24                  | 0.39            |
| 10'               | 16                  | 0.29            |
| 12'               | 11                  | 0.23            |

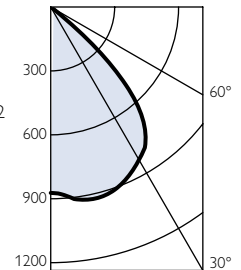
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 7" 42W Triple tube

Reflector trim: 8037  **CLW**



**Report No.:** LRL798-1F  
**Lamp lumens:** 3200  
**Efficiency:** 65%  
**Luminaire lumens:** 2092  
**Spacing ratio:** 1.4  
**Cut-off:** 55°



Multiple unit data (RCR 1)

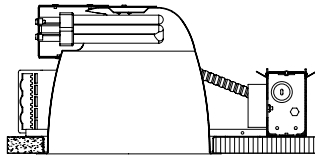
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 88                  | 1.68            |
| 6'                | 61                  | 1.17            |
| 8'                | 35                  | 0.66            |
| 10'               | 22                  | 0.42            |
| 12'               | 15                  | 0.29            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.



# 8" aperture

## Horizontal open downlight (2 lamp)



### How to specify

| Trim kit                          | Frame-in kit |
|-----------------------------------|--------------|
| 8038 <input type="checkbox"/> CLW | S8242HU      |

### Standard dimming options\*

S8242HU  (add suffix in box)

| Suffix | Ballast   | Input voltage |
|--------|-----------|---------------|
| CU3    | PowerSpec | 120/277V      |
| J1LD3  | HDF       | 120V          |
| J2LD3  | Lutron 3% | 277V          |
| JUM7   | Lutron 3% | 120/277V      |
| J1MX   | Mark 7    | 120V          |
| J2MX   | Mark 10   | 277V          |
|        | Mark 10   |               |

### Reflector finish options

| Reflector finish      | White Flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

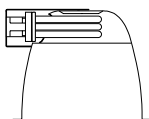
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

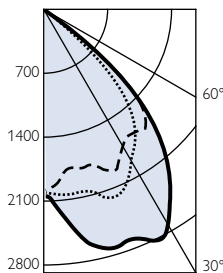
| Aperture | Trim kit          | Frame-In Kits | Ceiling cutout | Type   | Ballast            | Input voltage | Lamp | Wattage       | Length   | Width    | Height |
|----------|-------------------|---------------|----------------|--------|--------------------|---------------|------|---------------|----------|----------|--------|
| 8"       | 8038 (55° cutoff) | S8242BU       | 9 1/4"         | Non-IC | Electronic         | 120/277V      | TRT  | (2) 26/32/42W | 20"- 30" | 12 3/4"  | 8"     |
| 8"       | 8038...E          | S8242BUEM     | 9 1/4"         | Non-IC | Emergency-integral | 120/277V      | TRT  | (2) 26/32/42W | 20"- 30" | 14 5/16" | 8"     |
| 8"       | 8039 (50° cutoff) | S8242BU       | 9 1/4"         | Non-IC | Electronic         | 120/277V      | TRT  | (2) 26/32/42W | 20"- 30" | 12 3/4"  | 9"     |
| 8"       | 8039...E          | S8242BUEM     | 9 1/4"         | Non-IC | Emergency-integral | 120/277V      | TRT  | (2) 26/32/42W | 20"- 30" | 14 5/16" | 9"     |

### 8" 32W Triple tube

Reflector trim: 8038  CLW



**Report no.:** ITL 44462  
**Lamp lumens:** 4800  
**Efficiency:** 72%  
**Luminaire lumens:** 3479  
**Spacing ratio:** 1.4 x 1.6  
**Cut-off:** 55°



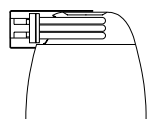
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 106                 | 1.77            |
| 7'                | 77                  | 1.31            |
| 8'                | 59                  | 1.00            |
| 10'               | 38                  | 0.64            |
| 12'               | 27                  | 0.44            |

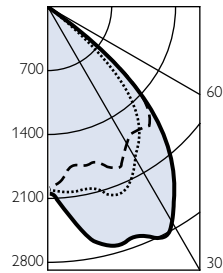
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 8" 42W Triple tube

Reflector trim: 8038  CLW



**Report no.:** ITL 44463  
**Lamp lumens:** 6400  
**Efficiency:** 67%  
**Luminaire lumens:** 4320  
**Spacing ratio:** 1.4 x 1.7  
**Cut-off:** 55°



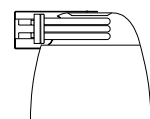
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 131                 | 2.64            |
| 7'                | 97                  | 1.94            |
| 8'                | 74                  | 1.48            |
| 10'               | 48                  | 0.95            |
| 12'               | 32                  | 0.66            |

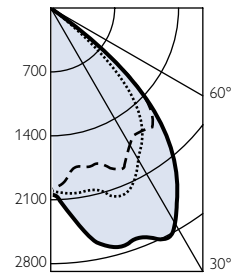
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 8" 42W Triple tube

Reflector trim: 8039  CLW



**Report no.:** 0172FR  
**Lamp lumens:** 6400  
**Efficiency:** 54%  
**Luminaire lumens:** 3470  
**Spacing ratio:** 1.4 x 1.6  
**Cut-off:** 50°



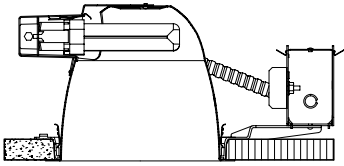
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 107                 | 2.64            |
| 7'                | 78                  | 1.94            |
| 8'                | 60                  | 1.48            |
| 10'               | 38                  | 0.95            |
| 12'               | 27                  | 0.66            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 6" & 7" aperture

## Horizontal open downlight (2 lamp)



### Standard dimming options\*

6213H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products. See product specification sheet for details.

### Reflector finish options

| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

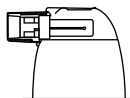
| Trim kit                  | Frame-in kit |
|---------------------------|--------------|
| 8052 <input type="text"/> | 6213HU       |

### Trim/frame compatibility

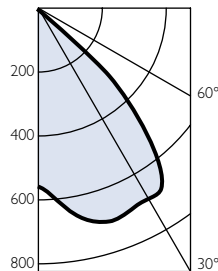
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast            | Input voltage | Lamp | Wattage | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|--------------------|---------------|------|---------|----------|-----------|--------|
| 6"       | 8052     | 6213HU        | 6 9/16"        | Non-IC | Electronic         | 120/277V      | QT   | (2) 13W | 20"- 30" | 10"       | 6"     |
| 6"       | 8052     | 6213HUEM      | 6 9/16"        | Non-IC | Emergency          | 120/277V      | QT   | (2) 13W | 20"- 30" | 10"       | 6"     |
| 6"       | 8051     | 6218HU        | 6 9/16"        | Non-IC | Electronic         | 120/277V      | QT   | (2) 18W | 20"- 30" | 10"       | 6"     |
| 6"       | 8051     | 6218HUEM      | 6 9/16"        | Non-IC | Emergency          | 120/277V      | QT   | (2) 18W | 20"- 30" | 10"       | 6"     |
| 7"       | 8056     | 7218HU        | 8"             | Non-IC | Electronic         | 120/277V      | QT   | (2) 18W | 20"- 30" | 11 3/8"   | 6 7/8" |
| 7"       | 8056...E | 7218HUEM      | 8"             | Non-IC | Emergency-integral | 120/277V      | QT   | (2) 18W | 20"- 30" | 12 15/16" | 6 7/8" |
| 7"       | 8056     | S7226HU       | 8"             | Non-IC | Electronic         | 120/277V      | QT   | (2) 26W | 20"- 30" | 11 3/8"   | 6 7/8" |
| 7"       | 8056...E | S7226HUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | QT   | (2) 26W | 20"- 30" | 12 15/16" | 6 7/8" |

### 6" Aperture (2) 13W quad

Reflector trim: 8052



**Report No.** LSI 9474  
**Lamp lumens:** 1800  
**Efficiency:** 54%  
**Luminaire lumens:** 930  
**Spacing ratio:** 1.6  
**Cut-off:** 55°



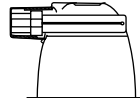
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 37                  | 1.28            |
| 6'                | 26                  | 0.89            |
| 8'                | 15                  | 0.50            |
| 10'               | 9                   | 0.32            |
| 12'               | 6                   | 0.22            |

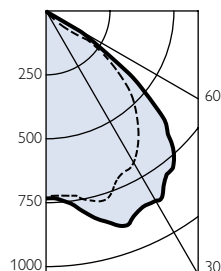
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 6" Aperture (2) 18W quad tube

Reflector trim: 8051



**Report No.** 0053 FR  
**Lamp lumens:** 2500  
**Efficiency:** 50%  
**Luminaire lumens:** 1253  
**Spacing ratio:** 1.3 x 1.6  
**Cut-off:** 55°



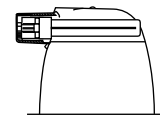
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 50                  | 1.56            |
| 6'                | 35                  | 1.08            |
| 8'                | 20                  | 0.61            |
| 10'               | 15                  | 0.48            |
| 12'               | 13                  | 0.39            |

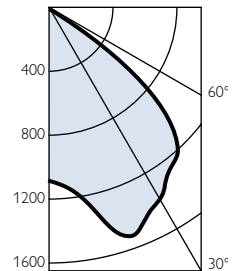
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 7" Aperture (2) 26W quad tube

Reflector trim: 8056



**Report No.** ITL 40604  
**Lamp lumens:** 3600  
**Efficiency:** 56%  
**Luminaire lumens:** 2018  
**Spacing ratio:** 1.6 x 1.7  
**Cut-off:** 55°



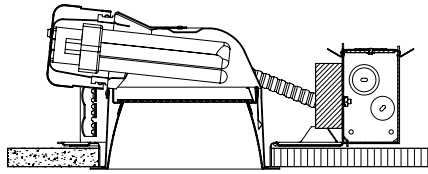
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 89                  | 2.20            |
| 6'                | 61                  | 1.53            |
| 8'                | 34                  | 0.86            |
| 10'               | 22                  | 0.55            |
| 12'               | 15                  | 0.38            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 6" & 7" aperture

## Horizontal lensed downlight



### How to specify

| Trim kit         | Frame-in kit |
|------------------|--------------|
| 8091F <b>CLW</b> | S6132BU      |

### Standard dimming options\*

S6132B  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Reflector finish           | White Flange | Aperture matching flange | Flangeless |
|----------------------------|--------------|--------------------------|------------|
| Fresnel Lens, Clear Cone   | FCLW         | FCLP                     | N/A        |
| Fresnel Lens, White Cone   | FWHW         | N/A                      | N/A        |
| Clear Lens, Clear Cone     | CCLW         | CCLP                     | N/A        |
| Clear Lens, White Cone     | CWHW         | N/A                      | N/A        |
| Opal Lens, Clear Cone      | DCLW         | DCLP                     | N/A        |
| Opal Lens, White Cone      | DWHW         | N/A                      | N/A        |
| Prismatic Lens, Clear Cone | PCLW         | PCLP                     | N/A        |
| Prismatic Lens, White Cone | PWHW         | N/A                      | N/A        |

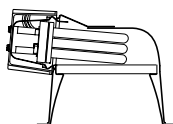
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

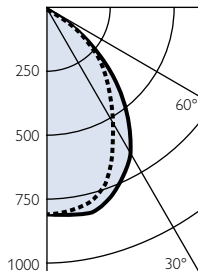
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage   | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|-----------|----------|-----------|--------|
| 6"       | 8091     | S6132BU       | 6 9/16"        | Non-IC | Electronic | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"       | 6"     |
|          |          | S6132BUEM     | 6 9/16"        | Non-IC | Electronic | 120/277V      | TRT  | 26/32W    | 20"-30"  | 11 9/16"  | 6"     |
| 7"       | 8097     | S7142BU       | 8"             | Non-IC | Electronic | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8"   | 6 1/2" |
|          |          | S7142BUEM     | 8"             | Non-IC | Electronic | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 15/16" | 6 1/2" |
| 7"       | 8096     | S7218HU       | 8"             | Non-IC | Electronic | 120/277V      | TRT  | (2) 18W   | 20"- 30" | 11 3/8"   | 5 3/4" |
| 7"       | 8096     | S7226HU       | 8"             | Non-IC | Electronic | 120/277V      | TRT  | (2) 26W   | 20"- 30" | 11 3/8"   | 5 3/4" |
|          |          | S7226HUEM     | 8"             | Non-IC | Electronic | 120/277V      | TRT  | (2) 26W   | 20"- 30" | 12 15/16" | 5 3/4" |

### 6" Aperture 32W Triple tube

Reflector trim: 8091 **FCLW**



**Report No.** 0075FR  
**Lamp lumens:** 2400  
**Efficiency:** 56%  
**Luminaire lumens:** 1229  
**Spacing ratio:** 1.2



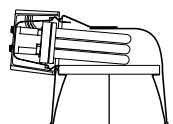
Multiple unit data (32W)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 54                  | 1.40            |
| 6'                | 37                  | 0.97            |
| 8'                | 21                  | 0.56            |
| 10'               | 15                  | 0.43            |
| 12'               | 13                  | 0.31            |

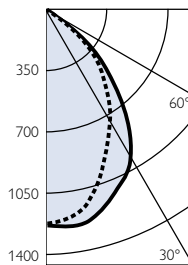
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 7" Aperture 42W Triple tube

Reflector trim: 8097 **FCLW**



**Report No.**  
**Lamp lumens:** 3200  
**Efficiency:** 47%  
**Luminaire lumens:** 953  
**Spacing ratio:** 0.8



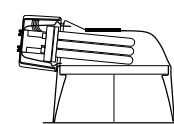
Multiple unit data (42W)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 66                  | 1.68            |
| 6'                | 46                  | 1.17            |
| 8'                | 26                  | 0.65            |
| 10'               | 21                  | 0.52            |
| 12'               | 17                  | 0.42            |

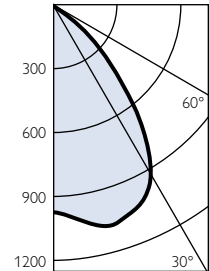
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 7" Aperture (2) 26W Triple tube

Reflector trim: 8096 **CCLW**



**Report No.**  
**Lamp lumens:** 3600  
**Efficiency:** 38%  
**Luminaire lumens:** 1376  
**Spacing ratio:** 1.3



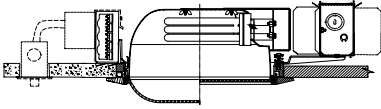
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 60                  | 2.20            |
| 6'                | 42                  | 1.53            |
| 7'                | 24                  | 0.86            |
| 8'                | 19                  | 0.68            |
| 9'                | 15                  | 0.55            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 8 3/4" aperture

Vandal resistant lensed downlights



## Standard dimming options\*

No dimming options currently available

## Reflector finish options

| Reflector finish            | White Flange | Aperture matching flange | Flangeless |
|-----------------------------|--------------|--------------------------|------------|
| Flush Opal Lens, White Cone | VWH          | N/A                      | N/A        |

## How to specify

| Trim kit         | Frame-in kit |
|------------------|--------------|
| 8098V <b>W</b> H | 8242HUV      |

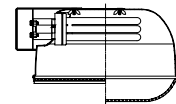
\* Some dimming options not available on all products.

## Trim/frame compatibility

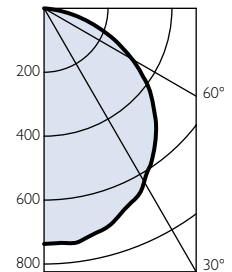
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage   | Length   | Width | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|-----------|----------|-------|--------|
| 8"       | 8098VWH  | 8242HUV       | 10"            | Non-IC | Electronic | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 14"   | 5 1/8" |

## 8 3/4" Aperture (2) 32W Triple tube

Reflector trim: 8098VWH **CLW**



**Lamp lumens:** 2400  
**Efficiency:** 43%  
**Luminaire lumens:** 2066  
**Spacing ratio:** 1.3



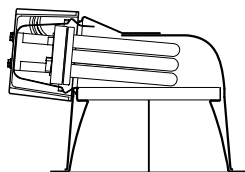
### Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 85                  | 2.47            |
| 6'                | 60                  | 1.74            |
| 8'                | 35                  | 1.01            |
| 10'               | 22                  | .64             |
| 10'               | 11                  | 0.39            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 6" & 7" aperture

## Cross blade louver downlight



### How to specify

|                                   |              |
|-----------------------------------|--------------|
| Trim kit                          | Frame-in kit |
| 8091CB <input type="checkbox"/> W | S6132BU      |

### Standard dimming options\*

S6132B  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

\* Some dimming options not available on all products. See product specification sheet for details.

### Reflector finish options

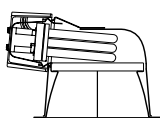
| Lens Reflector finish | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Clear Cone            | CBW          | N/A                      | N/A        |
| Aluminum Cone         | CBA          | N/A                      | N/A        |

### Trim/frame compatibility

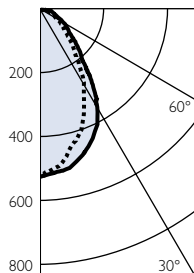
| Aperture | Trim kit | Frame-In Kits | Ceiling Cutout | Type   | Ballast            | Input voltage | Lamp | Wattage   | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|--------------------|---------------|------|-----------|----------|-----------|--------|
| 6"       | 8091CB   | S6132BU       | 6 9/16"        | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"       | 6"     |
|          |          | S6132BUEM     | 6 9/16"        | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 9/16"  | 6"     |
| 7"       | 8097CB   | S7132BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/8"   | 6 1/2" |
|          |          | S7132BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 12 15/16" | 6 1/2" |
|          |          | S7142BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8"   | 6 1/2" |
|          |          | S7142BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 15/16" | 6 1/2" |
| 7"       | 8096CB   | 7218HU        | 8"             | Non-IC | Electronic         | 120/277V      | DTT  | (2) 18W   | 20"- 30" | 11 3/8"   | 6 7/8" |
|          |          | S7226HU       | 8"             | Non-IC | Electronic         | 120/277V      | DTT  | (2) 26W   | 20"- 30" | 11 3/8"   | 6 7/8" |

### 6" Aperture 32W Triple tube

Reflector trim: 8091CB  CLW

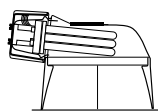


**Report No.** 0194 FR  
**Lamp lumens:** 2400  
**Efficiency:** 33%  
**Luminaire lumens:** 804  
**Spacing ratio:** 1.1  
**Cut-off:** 50°

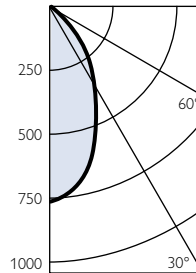


### 7" Aperture 42W Triple tube

Reflector trim: 8097CB  CLW



**Report No.** LS12581  
**Lamp lumens:** 3200  
**Efficiency:** 30%  
**Luminaire lumens:** 953  
**Spacing ratio:** 0.8  
**Cut-off:** 50°



#### Multiple unit data (42W)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 31                  | 1.40            |
| 6'                | 21                  | 0.97            |
| 8'                | 12                  | 0.56            |
| 9'                | 9                   | 0.43            |
| 10'               | 8                   | 0.35            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

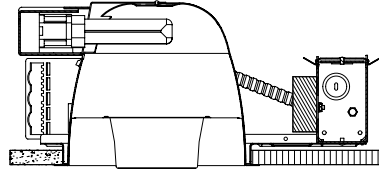
#### Multiple unit data (42W)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 41                  | 1.68            |
| 6'                | 28                  | 1.17            |
| 7'                | 21                  | 0.67            |
| 8'                | 16                  | 0.52            |
| 9'                | 13                  | 0.42            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 7" & 8" aperture

## Parabolic louver downlight



### Standard dimming options\*

7218H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Lens | Reflector finish         | White Flange | Aperture matching flange | Flangeless |
|------|--------------------------|--------------|--------------------------|------------|
|      | Turbo Louver, White Cone | TBW          | N/A                      | N/A        |

### How to specify

| Trim kit                    | Frame-in kit |
|-----------------------------|--------------|
| 8056TB <input type="text"/> | 7218HU       |

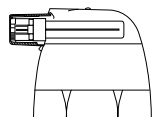
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

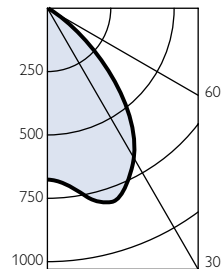
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage       | Length   | Width   | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|---------------|----------|---------|--------|
| 7"       | 8056TB   | S7218HU       | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W       | 20"- 30" | 11 3/8" | 6 7/8" |
| 7"       | 8056TB   | S7126HU       | 8"             | Non-IC | Electronic | 120/277V      | DTT  | 26W           | 20"- 30" | 11 3/8" | 6 7/8" |
| 7"       | 8056TB   | S7226HU       | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 26W       | 20"- 30" | 11 3/8" | 6 7/8" |
| 7"       | 8037TB   | S7142BU       | 8"             | Non-IC | Electronic | 120/277V      | TTT  | 26/32/42W     | 20"- 30" | 11 3/8" | 7 3/4" |
| 8"       | 8038TB   | S8242HU       | 9 1/4"         | Non-IC | Electronic | 120/277V      | TTT  | (2) 26/32/42W | 20"- 30" | 11 3/8" | 8"     |

### 7" Aperture (2) 18W quad

Reflector trim: 8056TB



**Report No.** LSC 6701  
**Lamp lumens:** 2500  
**Efficiency:** 40%  
**Luminaire lumens:** 1007  
**Spacing ratio:** 1.4  
**Cut-off:** 50°



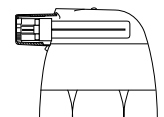
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 45                  | 1.56            |
| 6'                | 31                  | 1.08            |
| 8'                | 18                  | 0.61            |
| 9'                | 14                  | 0.48            |
| 10'               | 11                  | 0.39            |

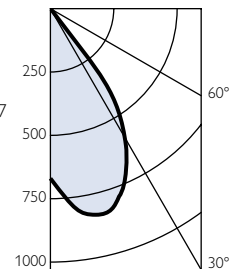
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 7" Aperture (2) 26W quad tube

Reflector trim: 8056TB



**Report No.** LSG 6477  
**Lamp lumens:** 3600  
**Efficiency:** 37%  
**Luminaire lumens:** 1317  
**Spacing ratio:** 1.4  
**Cut-off:** 50°



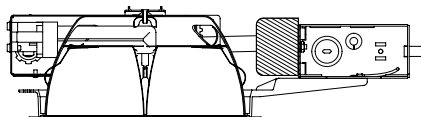
Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 59                  | 2.20            |
| 6'                | 41                  | 1.53            |
| 8'                | 23                  | 0.86            |
| 9'                | 18                  | 0.68            |
| 10'               | 15                  | 0.55            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 7" & 8" aperture

## Low profile parabolic louver downlight



### How to specify

|                 |              |
|-----------------|--------------|
| Trim kit        | Frame-in kit |
| 8067 <b>CLW</b> | 7213LPM120   |

### Standard dimming options\*

No dimming options currently available

### Reflector finish options

| Lens Reflector finish | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

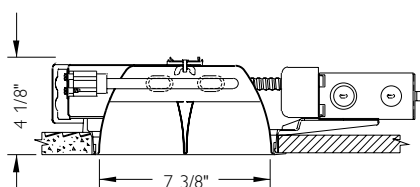
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

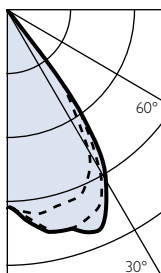
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage | Length   | Width   | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|---------|----------|---------|--------|
| 7"       | 8067     | 7213LPM120    | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 13W | 20"- 30" | 10"     | 6"     |
| 7"       | 8067     | 7213LPM277    | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W | 20"- 30" | 10"     | 6"     |
| 8"       | 8068     | 8218LPU       | 9 1/4"         | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 3/8" | 6 7/8" |
| 8"       | 8068     | 8226LPU       | 9 1/4"         | Non-IC | Electronic | 120/277V      | DTT  | (2) 26W | 20"- 30" | 11 3/8" | 6 7/8" |

### 7" Aperture (2) 13W Twin tube

Reflector trim: 8067

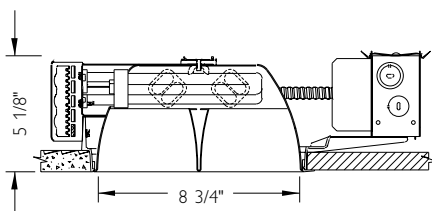


**Report No.** 1162FH  
**Lamp lumens:** 1,600  
**Efficiency:** 46.4%  
**Spacing ratio:** 1.2  
**Cut-off:** 50°

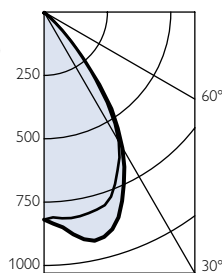


### 8" Aperture (2) 18W quad tube

Reflector trim: 8068



**Lamp lumens:** 2,320  
**Efficiency:** 44.5%  
**Spacing ratio:** 1.1  
**Cut-off:** 50°



#### Multiple unit data

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 33                  | 1.28            |
| 6'                | 23                  | 0.89            |
| 7'                | 17                  | 0.65            |
| 8'                | 13                  | 0.50            |
| 9'                | 10                  | 0.40            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

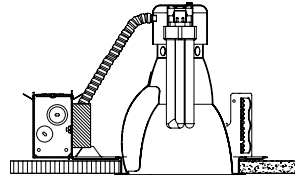
#### Multiple unit data (18W)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 5'                | 46                  | 1.56            |
| 6'                | 32                  | 1.08            |
| 7'                | 18                  | 0.61            |
| 8'                | 14                  | 0.48            |
| 9'                | 12                  | 0.39            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 4", 6" & 7" aperture

## Vertical open wall washer



### Standard dimming options\*

S6132B  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Reflector finish      | White Flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

Trim kit      Frame-in kit

8021WW  S6132BU

\* Some dimming options not available on all products. See product specification sheet for details.

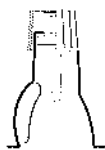
### Trim/frame compatibility

| Aperture | Trim kit | Frame-in kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage   | Length   | Width   | Height  |
|----------|----------|---------------|----------------|--------|------------|---------------|------|-----------|----------|---------|---------|
| 4"       | 8011WW   | 4118VU        | 5 1/16"        | Non-IC | Electronic | 120/277V      | TRT  | 18W       | 20"- 30" | 8 1/16" | 8"      |
| 6"       | 8021WW*  | S6132BU       | 6 9/16"        | Non-IC | Electronic | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"     | 9 3/4"  |
| 7"       | 8022WW   | S7132BU       | 8"             | Non-IC | Electronic | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/8" | 11 1/4" |
| 7"       | 8022WW*  | S7142BU       | 8"             | Non-IC | Electronic | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8" | 11 1/4" |

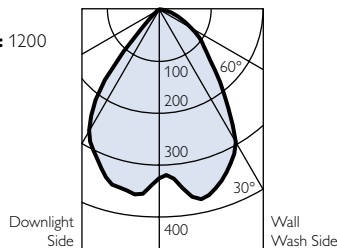
\*Corner (CW) and Double (DW) wall washers also available

### 4 1/2" 18W Triple tube

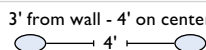
Reflector trim: 8011



Lamp lumens: 1200  
Cut-off: 50°



Multiple units Footcandles on wall



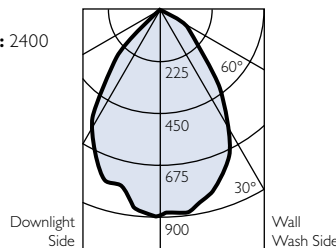
| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 12 | 7  | 12 |   |
| 2                             | 13 | 10 | 13 |   |
| 3                             | 13 | 14 | 13 |   |
| 4                             | 11 | 11 | 11 |   |
| 5                             | 9  | 8  | 9  |   |
| 6                             | 7  | 7  | 7  |   |
| 7                             | 5  | 5  | 5  |   |
| 8                             | 4  | 4  | 4  |   |
| 9                             | 3  | 4  | 3  |   |

### 6" 32W Triple tube

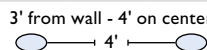
Reflector trim: 8021



Lamp lumens: 2400  
Cut-off: 50°



Multiple units Footcandles on wall



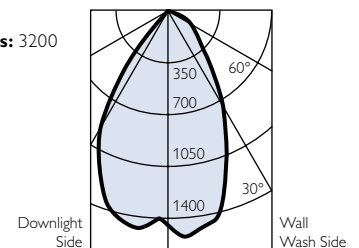
| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 11 | 11 | 11 |   |
| 2                             | 18 | 18 | 18 |   |
| 3                             | 20 | 20 | 20 |   |
| 4                             | 22 | 19 | 21 |   |
| 5                             | 20 | 18 | 20 |   |
| 6                             | 17 | 16 | 17 |   |
| 7                             | 15 | 13 | 14 |   |
| 8                             | 12 | 11 | 12 |   |
| 9                             | 11 | 10 | 10 |   |

### 7" 42W Triple tube

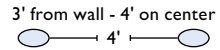
Reflector trim: 8022



Lamp lumens: 3200  
Cut-off: 50°



Multiple units Footcandles on wall

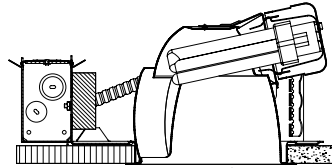


| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 14 | 14 | 14 |   |
| 2                             | 22 | 22 | 22 |   |
| 3                             | 21 | 20 | 21 |   |
| 4                             | 20 | 19 | 20 |   |
| 5                             | 20 | 18 | 20 |   |
| 6                             | 18 | 17 | 18 |   |
| 7                             | 16 | 16 | 16 |   |
| 8                             | 14 | 14 | 14 |   |
| 9                             | 13 | 12 | 13 |   |



# 6" & 7" aperture

## Horizontal open wall washer (1 lamp)



### Standard dimming options\*

S6132B  (add suffix in box)

| Suffix | Ballast   | Input voltage |
|--------|-----------|---------------|
| CU3    | PowerSpec | 120/277V      |
| J1LD3  | HDF       | 120V          |
| J2LD3  | Lutron 3% | 277V          |
| JUM7   | Lutron 3% | 120/277V      |
| J1MX   | Mark 7    | 120V          |
| J2MX   | Mark 10   | 277V          |
|        | Mark 10   |               |

### Reflector finish options

| Reflector finish      | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

| Trim kit                      | Frame-in kit |
|-------------------------------|--------------|
| 8081 <input type="checkbox"/> | S6132BU      |

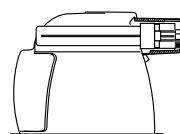
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

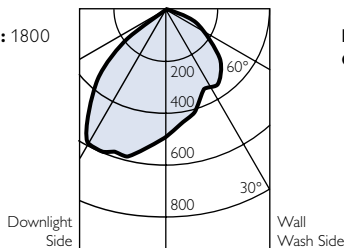
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast            | Input voltage | Lamp | Wattage   | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|--------------------|---------------|------|-----------|----------|-----------|--------|
| 6"       | 8081     | S6132BU       | 6 9/16"        | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"       | 6 5/8" |
|          |          | S6132BUEM     | 6 9/16"        | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 9/16"  | 6 5/8" |
| 7"       | 8087     | S7132BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/8"   | 7 3/4" |
|          |          | S7132BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 12 15/16" | 7 3/4" |
|          |          | S7142BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8"   | 7 3/4" |
|          |          | S7142BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 15/16" | 7 3/4" |

### 6" Aperture 26W Triple tube

Reflector trim: 8081

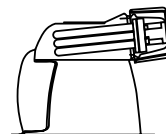


Lamp lumens: 1800  
Cut-off: 55°

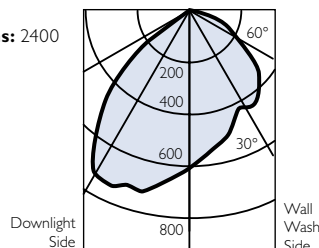


### 6" Aperture 32W Triple tube

Reflector trim: 8081

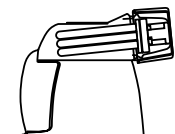


Lamp lumens: 2400  
Cut-off: 55°

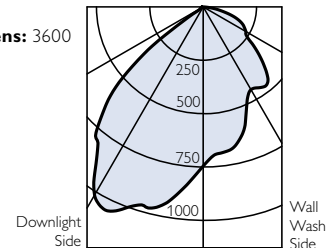


### 7" Aperture 42W quad tube

Reflector trim: 8087

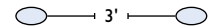


Lamp lumens: 3600  
Cut-off: 55°



#### Multiple units Footcandles on wall

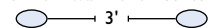
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 16 | 15 | 16 |   |
| 2                             | 25 | 24 | 25 |   |
| 3                             | 27 | 29 | 17 |   |
| 4                             | 25 | 26 | 25 |   |
| 5                             | 21 | 22 | 21 |   |
| 6                             | 18 | 18 | 18 |   |
| 7                             | 15 | 15 | 15 |   |
| 8                             | 13 | 13 | 13 |   |
| 9                             | 11 | 11 | 11 |   |

#### Multiple units Footcandles on wall

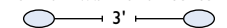
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 16 | 15 | 16 |   |
| 2                             | 25 | 24 | 25 |   |
| 3                             | 27 | 29 | 17 |   |
| 4                             | 25 | 26 | 25 |   |
| 5                             | 21 | 22 | 21 |   |
| 6                             | 18 | 18 | 18 |   |
| 7                             | 15 | 15 | 15 |   |
| 8                             | 13 | 13 | 13 |   |
| 9                             | 11 | 11 | 11 |   |

#### Multiple units Footcandles on wall

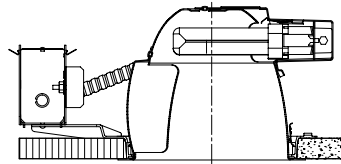
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 16 | 14 | 16 |   |
| 2                             | 30 | 30 | 30 |   |
| 3                             | 27 | 29 | 27 |   |
| 4                             | 24 | 26 | 24 |   |
| 5                             | 22 | 23 | 22 |   |
| 6                             | 19 | 20 | 19 |   |
| 7                             | 16 | 16 | 16 |   |
| 8                             | 13 | 13 | 13 |   |
| 9                             | 11 | 11 | 11 |   |

# 6" & 7" aperture

## Horizontal open wall washer (2 lamp)



### Standard dimming options\*

6213H  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Lens Reflector finish | White flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

| Trim kit                  | Frame-in kit |
|---------------------------|--------------|
| 8082 <input type="text"/> | 6213HU       |

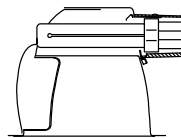
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

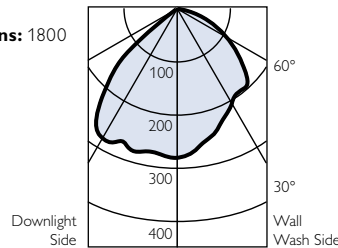
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|---------|----------|-----------|--------|
| 6"       | 8082     | 6213HU        | 6 9/16"        | Non-IC | Electronic | 120/277V      | DTT  | (2) 13W | 20"- 30" | 10"       | 6"     |
|          |          | 6213HUEM      | 6 9/16"        | Non-IC | Emergency  | 120/277V      | DTT  | (2) 13W | 20"- 30" | 11 15/16" | 6"     |
| 6"       | 8084     | 6218HU        | 6 9/16"        | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W | 20"- 30" | 10"       | 6"     |
|          |          | 6218HUEM      | 6 9/16"        | Non-IC | Emergency  | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 15/16" | 6"     |
| 7"       | 8086     | 7218HU        | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 3/8"   | 6 7/8" |
|          |          | 7218HUEM      | 8"             | Non-IC | Emergency  | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 15/16" | 6 7/8" |
| 7"       | 8086     | S7226HU       | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 26W | 20"- 30" | 11 3/8"   | 6 7/8" |
|          |          | S7226HUEM     | 8"             | Non-IC | Emergency  | 120/277V      | DTT  | (2) 26W | 20"- 30" | 11 15/16" | 6 7/8" |

### 6" Aperture (2) 13W quad tube

Reflector trim: 8082

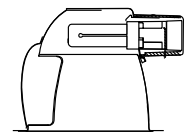


Lamp lumens: 1800  
Cut-off: 55°

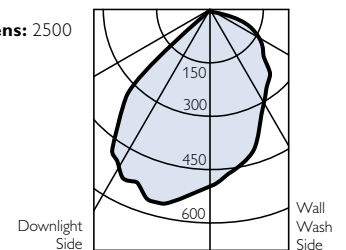


### 6" Aperture (2) 18W quad tube

Reflector trim: 8084

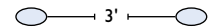


Lamp lumens: 2500  
Cut-off: 55°



#### Multiple units Footcandles on wall

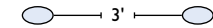
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 | 5 |
|-------------------------------|----|----|----|---|---|
| 1                             | 5  | 4  | 5  |   |   |
| 2                             | 11 | 12 | 11 |   |   |
| 3                             | 13 | 14 | 13 |   |   |
| 4                             | 12 | 14 | 12 |   |   |
| 5                             | 11 | 12 | 11 |   |   |
| 6                             | 9  | 10 | 9  |   |   |
| 7                             | 7  | 8  | 7  |   |   |
| 8                             | 6  | 6  | 6  |   |   |
| 9                             | 5  | 5  | 5  |   |   |

#### Multiple units Footcandles on wall

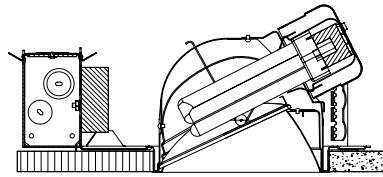
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 | 5 |
|-------------------------------|----|----|----|---|---|
| 1                             | 8  | 6  | 8  |   |   |
| 2                             | 13 | 10 | 13 |   |   |
| 3                             | 13 | 10 | 13 |   |   |
| 4                             | 11 | 8  | 11 |   |   |
| 5                             | 9  | 8  | 9  |   |   |
| 6                             | 8  | 7  | 8  |   |   |
| 7                             | 7  | 6  | 7  |   |   |
| 8                             | 6  | 5  | 6  |   |   |
| 9                             | 5  | 4  | 5  |   |   |

# 6" & 7" aperture

## Horizontal lensed wall washer



### How to specify

| Trim kit        | Frame-in kit |
|-----------------|--------------|
| 8046 <b>CLW</b> | S6132BU      |

### Standard dimming options\*

S6132BU  (add suffix in box)

| Suffix | Ballast       | Input voltage |
|--------|---------------|---------------|
| CU3    | PowerSpec HDF | 120/277V      |
| J1LD3  | Lutron 3%     | 120V          |
| J2LD3  | Lutron 3%     | 277V          |
| JUM7   | Mark 7        | 120/277V      |
| J1MX   | Mark 10       | 120V          |
| J2MX   | Mark 10       | 277V          |

### Reflector finish options

| Reflector finish      | White Flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

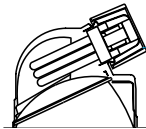
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

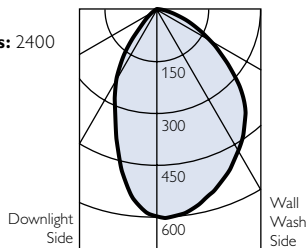
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast            | Input voltage | Lamp | Wattage   | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|--------------------|---------------|------|-----------|----------|-----------|--------|
| 6"       | 8046     | S6132BU       | 6 9/16"        | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 10"       | 6 3/4" |
|          |          | S6132BUEM     | 6 9/16"        | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 9/16"  | 6 3/4" |
| 7"       | 8047     | S7132BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32W    | 20"- 30" | 11 3/8"   | 7 3/8" |
|          |          | S7132BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32W    | 20"- 30" | 12 15/16" | 7 3/8" |
|          |          | S7142BU       | 8"             | Non-IC | Electronic         | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 11 3/8"   | 7 3/8" |
|          |          | S7142BUEM     | 8"             | Non-IC | Emergency-integral | 120/277V      | TRT  | 26/32/42W | 20"- 30" | 12 15/16" | 7 3/8" |

### 6" Aperture 32W Triple tube

Reflector trim: 8046 **CCLW**

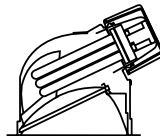


Lamp lumens: 2400

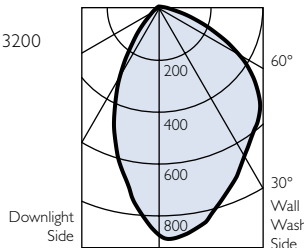


### 7" Aperture 42W Triple tube

Reflector trim: 8047 **CCLW**



Lamp lumens: 3200



### Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 9  | 8  | 9  |   |
| 2                             | 19 | 18 | 19 |   |
| 3                             | 22 | 21 | 22 |   |
| 4                             | 19 | 19 | 19 |   |
| 5                             | 16 | 16 | 16 |   |
| 6                             | 13 | 13 | 13 |   |
| 7                             | 11 | 11 | 11 |   |
| 8                             | 9  | 9  | 9  |   |
| 9                             | 8  | 8  | 8  |   |

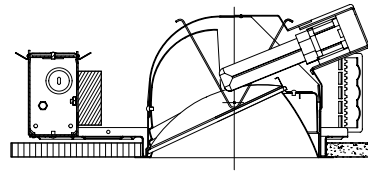
### Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1  | 2  | 3  | 4 |
|-------------------------------|----|----|----|---|
| 1                             | 16 | 12 | 16 |   |
| 2                             | 34 | 32 | 34 |   |
| 3                             | 36 | 37 | 36 |   |
| 4                             | 31 | 31 | 31 |   |
| 5                             | 25 | 26 | 25 |   |
| 6                             | 21 | 21 | 21 |   |
| 7                             | 17 | 17 | 17 |   |
| 8                             | 15 | 15 | 15 |   |
| 9                             | 13 | 13 | 13 |   |

# 7" aperture

## Horizontal lensed wall washer



### Standard dimming options\*

| 7218H <input type="text"/> |               | (add suffix in box) |
|----------------------------|---------------|---------------------|
| Suffix                     | Ballast       | Input voltage       |
| CU3                        | PowerSpec HDF | 120/277V            |
| J1LD3                      | Lutron 3%     | 120V                |
| J2LD3                      | Lutron 3%     | 277V                |
| JUM7                       | Mark 7        | 120/277V            |
| J1MX                       | Mark 10       | 120V                |
| J2MX                       | Mark 10       | 277V                |

### Reflector finish options

| Lens Reflector finish | White Flange | Aperture matching flange | Flangeless |
|-----------------------|--------------|--------------------------|------------|
| Specular clear        | CLW          | CLP                      | CL         |
| Comfort clear         | CCLW         | CCLP                     | CCL        |
| Comfort clear diffuse | CCDW         | CCDP                     | CCD        |
| Champagne bronze      | CCZW         | CCZP                     | CCZ        |
| White                 | WHW          | N/A                      | WH         |

### How to specify

| Trim kit                  | Frame-in kit |
|---------------------------|--------------|
| 8044 <input type="text"/> | 7218HU       |

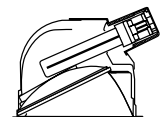
\* Some dimming options not available on all products. See product specification sheet for details.

### Trim/frame compatibility

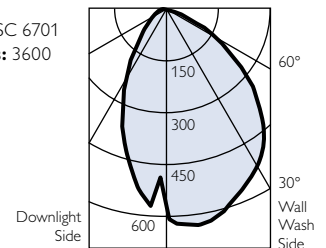
| Aperture | Trim kit | Frame-In Kits | Ceiling cutout | Type   | Ballast    | Input voltage | Lamp | Wattage | Length   | Width     | Height |
|----------|----------|---------------|----------------|--------|------------|---------------|------|---------|----------|-----------|--------|
| 7"       | 8044     | 7218HU        | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 3/8"   | 6 3/4" |
|          |          | 7218HUEM      | 8"             | Non-IC | Emergency  | 120/277V      | DTT  | (2) 18W | 20"- 30" | 11 15/16" | 6 3/4" |
| 7"       | 8044     | S7226HU       | 8"             | Non-IC | Electronic | 120/277V      | DTT  | (2) 26W | 20"- 30" | 11 3/8"   | 6 3/4" |
|          |          | S7226HUEM     | 8"             | Non-IC | Emergency  | 120/277V      | DTT  | (2) 26W | 20"- 30" | 11 15/16" | 6 3/4" |

### 7" Aperture (2) 26W quad tube

Reflector trim: 8044

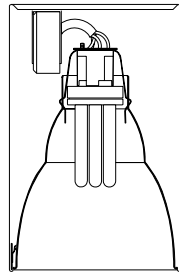


Report No. LSC 6701  
Lamp lumens: 3600



### Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1                           | 2  | 3  |
| 1                             | 12                          | 11 | 12 |
| 2                             | 26                          | 26 | 26 |
| 3                             | 30                          | 30 | 30 |
| 4                             | 26                          | 27 | 26 |
| 5                             | 21                          | 22 | 21 |
| 6                             | 17                          | 17 | 17 |
| 7                             | 14                          | 14 | 14 |
| 8                             | 12                          | 12 | 12 |
| 9                             | 11                          | 11 | 11 |



# 6", 7" & 8" aperture

Surface cylinder and drum

## How to specify

Cylinder (complete unit)

CS6132VU CCL

Standard dimming options\*

Consult specification sheet for available options

Reflector finish options

|                       |              |
|-----------------------|--------------|
| Lens                  | White Flange |
| Reflector finish      |              |
| Comfort clear         | CLW          |
| Comfort clear diffuse | CCLW         |
| Champagne bronze      | CCDW         |
|                       | CCZW         |
|                       | WHW          |

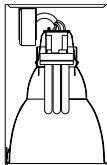
\* Some reflector/cylinder finish options not available on all products. See product specification sheet for details.

## Trim/frame compatibility

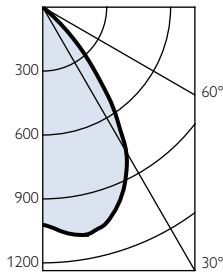
| Aperture | Cylinder | Description      | Ballast    | Input voltage | Lamp | Wattage       | Width   | Height  |
|----------|----------|------------------|------------|---------------|------|---------------|---------|---------|
| 6"       | CS6132V  | 6" Ceiling mount | Electronic | 120/277V      | TTT  | 26/32W        | 6 1/2"  | 10 1/4" |
| 7"       | CS7142V  | 7" Ceiling mount | Electronic | 120/277V      | TTT  | 26/32/42W     | 7 7/8"  | 12 1/8" |
| 8"       | CS8142H  | 8" Ceiling mount | Electronic | 120/277V      | TTT  | 26/32/42W     | 11 1/4" | 11 1/2" |
| 8"       | CS8242H  | 8" Ceiling mount | Electronic | 120/277V      | TTT  | (2) 26/32/42W | 11 1/4" | 11 1/2" |
| 8"       | CS8226H  | 8" Ceiling mount | Electronic | 120/277V      | DTT  | (2) 26W       | 11 1/4" | 11 1/2" |
| 8"       | CS8218LP | 8" Ceiling mount | Electronic | 120/277V      | DTT  | (2) 18W       | 13 1/2" | 5 3/8"  |
| 8"       | CS8226LP | 8" Ceiling mount | Electronic | 120/277V      | DTT  | (2) 26W       | 13 1/2" | 5 3/8"  |

## 6" Aperture (1) 32W quad tube

Reflector trim: CS6132V

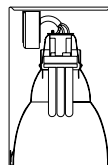


**Lamp lumens:** 2400  
**Watts:** 26/26 36/36  
**Efficiency:** 52.7%  
**Luminaire lumens:** 1265  
**Spacing ratio:** 1.1  
**Cut-off:** 50°

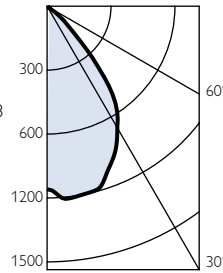


## 7" Aperture (2) 18W quad tube

Reflector trim: CS7142V

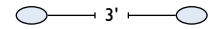


**Lamp lumens:** 3200  
**Watts:** 36/36 47/47  
**Efficiency:** 59%  
**Luminaire lumens:** 1908  
**Spacing ratio:** 0.9  
**Cut-off:** 50°



Multiple units Footcandles on wall

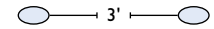
3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------------------------|----|----|----|---|---|---|---|---|---|
| 1                             | 8  | 6  | 8  |   |   |   |   |   |   |
| 2                             | 13 | 10 | 13 |   |   |   |   |   |   |
| 3                             | 13 | 10 | 13 |   |   |   |   |   |   |
| 4                             | 11 | 8  | 11 |   |   |   |   |   |   |
| 5                             | 9  | 8  | 9  |   |   |   |   |   |   |
| 6                             | 8  | 7  | 8  |   |   |   |   |   |   |
| 7                             | 7  | 6  | 7  |   |   |   |   |   |   |
| 8                             | 6  | 5  | 6  |   |   |   |   |   |   |
| 9                             | 5  | 4  | 5  |   |   |   |   |   |   |

Multiple units Footcandles on wall

3' from wall - 3' on center



| Distance from ceiling in feet | 1  | 2  | 3  | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------------------------|----|----|----|---|---|---|---|---|---|
| 1                             | 16 | 14 | 16 |   |   |   |   |   |   |
| 2                             | 30 | 30 | 30 |   |   |   |   |   |   |
| 3                             | 27 | 29 | 27 |   |   |   |   |   |   |
| 4                             | 24 | 26 | 24 |   |   |   |   |   |   |
| 5                             | 22 | 23 | 22 |   |   |   |   |   |   |
| 6                             | 19 | 20 | 19 |   |   |   |   |   |   |
| 7                             | 16 | 16 | 16 |   |   |   |   |   |   |
| 8                             | 13 | 13 | 13 |   |   |   |   |   |   |
| 9                             | 11 | 11 | 11 |   |   |   |   |   |   |



MAYER BROWN

# HID lighting

Calculite Ceramic Metal Halide (CMH) downlights provide outstanding color rendering and high luminous efficiency. Using specially designed optics, the downlights offer a broad assortment of light distributions in 4", 4x4", 6", 7", 9" and 12" apertures.





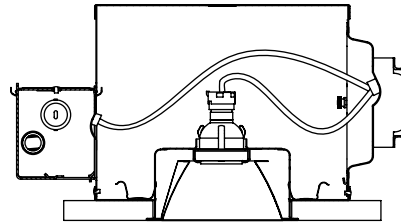
## Contents

|                                    |      |                                 |      |                                       |      |
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| MR16 open downlight >              | 1.46 | T4.5 downlight >                | 1.59 | PAR lensed wall wash >                | 1.70 |
| MR16 lensed wall wash >            | 1.47 | PAR downlight >                 | 1.60 | ED17 open wall wash >                 | 1.72 |
| MR16 adjustable accent >           | 1.48 | T6 downlight >                  | 1.61 | T4.5 adjustable accent >              | 1.74 |
| MR16 lensed adjustable accent >    | 1.49 | ED17/E17 downlight >            | 1.62 | T6 adjustable accent >                | 1.75 |
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# 4 1/2" x 4 1/2" aperture

## CMH MR16 open downlight



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

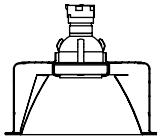
### How to specify

|                    |                     |
|--------------------|---------------------|
| Trim kit           | Frame-in kit        |
| C4X4MRD <b>CLW</b> | C4X4 <b>20</b> MREU |

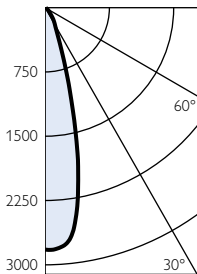
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|--------|-----------------------|--------------|-----------------|
| C4X420MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/4" | 7 1/2" | Specular clear        | CLW          | CLP             |
| C4X439MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/4" | 7 1/2" | Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" x 4 1/2" 20W CMH MR16 25°

**Reflector trim:** C4X4MRD **CLW**



**Report:** 3415FR  
**Lamp:** 20W CMH MR16 25°  
 GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 95.8%  
**Spacing:** 0.5



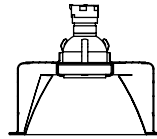
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 4'                | 54                  | 1.63            |
| 5'                | 38                  | 1.13            |
| 6'                | 24                  | 0.72            |

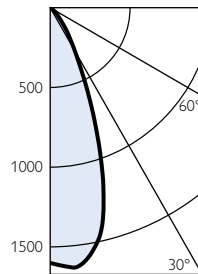
75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

### 4 1/2" x 4 1/2" 20W CMH MR16 40°

**Reflector trim:** C4X4MRD **CLW**



**Report:** 3414FR  
**Lamp:** 20W CMH MR16 40°  
 GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 94.6%  
**Spacing:** 0.7



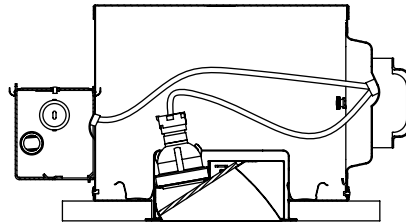
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 4'                | 53                  | 1.63            |
| 5'                | 37                  | 1.13            |
| 6'                | 24                  | 0.72            |

75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances.

# 4 1/2" x 4 1/2" aperture

CMH MR16 lensed wall washer



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

## How to specify

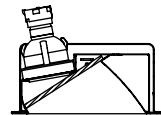
| Trim kit           | Frame-in kit        |
|--------------------|---------------------|
| C4X4MRL <b>CLW</b> | C4X4 <b>20</b> MREU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|--------|
| C4X420MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/4" | 7 1/2" |
| C4X439MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/4" | 7 1/2" |

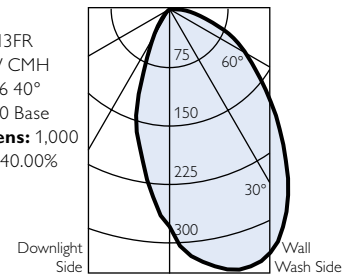
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

## 4 1/2" x 4 1/2" 20W CMH MR16 40°

**Reflector trim:** C4X4MRL **CLW**



**Report:** 3413FR  
**Lamp:** 20W CMH MR16 40° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 40.00%

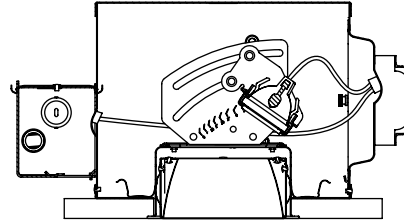


### Multiple units Footcandles on wall

| Distance from ceiling in feet | 2' from Wall - 2' On Center |        |    |
|-------------------------------|-----------------------------|--------|----|
|                               | ○                           | ← 2' → | ○  |
| 1                             | 23                          | 22     | 23 |
| 2                             | 26                          | 25     | 26 |
| 3                             | 21                          | 20     | 21 |
| 4                             | 15                          | 15     | 15 |
| 5                             | 11                          | 11     | 11 |
| 6                             | 8                           | 8      | 8  |
| 7                             | 7                           | 6      | 7  |
| 8                             | 5                           | 5      | 5  |
| 9                             | 4                           | 4      | 4  |
| 10                            | 4                           | 4      | 4  |

# 4 1/2" x 4 1/2" aperture

CMH MR16 adjustable accent



Ceiling cutout: 5 1/4" x 5 1/4"  
Ceiling thickness: 2" Max.

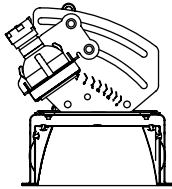
## How to specify

|                    |                     |
|--------------------|---------------------|
| Trim kit           | Frame-in kit        |
| C4X4MRA <b>CLW</b> | C4X4 <b>20</b> MREU |

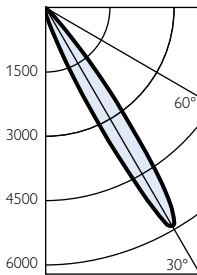
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|--------|-----------------------|--------------|-----------------|
| C4X420MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/4" | 7 1/2" | Specular clear        | CLW          | CLP             |
| C4X439MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/4" | 7 1/2" | Comfort clear diffuse | CCDW         | CCDP            |

## 4 1/2" x 4 1/2" 20W CMH MR16 12°

Reflector trim: C4X4MRA **CLW**



**Report:** 3420FR  
**Lamp:** 20W CMH MR16 12°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 88.2%



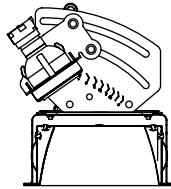
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

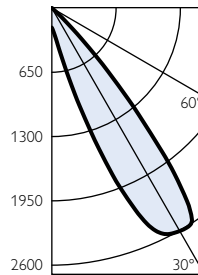
| D   | C    | FC  | L    | W    | D  | C     | FC  | L    | W    |
|-----|------|-----|------|------|----|-------|-----|------|------|
| 6'  | 3.5' | 106 | 1.7' | 1.5' | 2' | 3.5'  | 184 | 1.7' | 0.8' |
| 8'  | 4.6' | 60  | 2.3' | 1.9' | 3' | 5.2'  | 82  | 2.6' | 1.3' |
| 10' | 5.8' | 38  | 2.8' | 2.4' | 4' | 6.9'  | 46  | 3.5' | 1.7' |
| 12' | 6.9' | 27  | 3.4' | 2.9' | 5' | 8.7'  | 29  | 4.3' | 2.1' |
| 14' | 8.1' | 20  | 3.9' | 3.4' | 6' | 10.4' | 20  | 5.2' | 2.5' |

## 4 1/2" x 4 1/2" 20W CMH MR16 25°

Reflector trim: C4X4MRA **CLW**



**Report:** 3419FR  
**Lamp:** 20W CMH MR16 25°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 71.2%



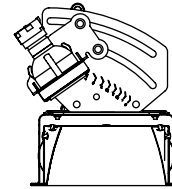
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

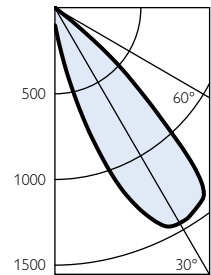
| D   | C    | FC | L    | W    | D  | C     | FC | L     | W    |
|-----|------|----|------|------|----|-------|----|-------|------|
| 6'  | 3.5' | 47 | 3.6' | 3.1' | 2' | 3.5'  | 81 | 4.2'  | 1.8' |
| 8'  | 4.6' | 26 | 4.8' | 4.1' | 3' | 5.2'  | 36 | 6.2'  | 2.7' |
| 10' | 5.8' | 17 | 6.0' | 5.1' | 4' | 6.9'  | 20 | 8.3'  | 3.5' |
| 12' | 6.9' | 12 | 7.2' | 6.1' | 5' | 8.7'  | 13 | 10.4' | 4.4' |
| 14' | 8.1' | 9  | 8.4' | 7.2' | 6' | 10.4' | 9  | 12.5' | 5.3' |

## 4 1/2" x 4 1/2" 20W CMH MR16 40°

Reflector trim: C4X4MRA **CLW**



**Report:** 3417FR  
**Lamp:** 20W CMH MR16 40°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 85.4%



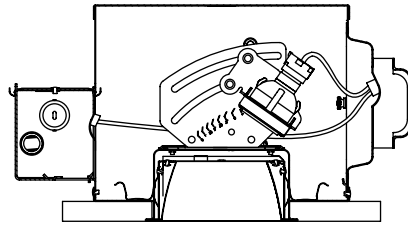
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

| D   | C    | FC | L     | W    | D  | C     | FC | L     | W    |
|-----|------|----|-------|------|----|-------|----|-------|------|
| 6'  | 3.5' | 26 | 4.4'  | 3.7' | 2' | 3.5'  | 45 | 5.5'  | 2.1' |
| 8'  | 4.6' | 15 | 5.9'  | 5.0' | 3' | 5.2'  | 20 | 8.2'  | 3.2' |
| 10' | 5.8' | 9  | 7.3'  | 6.2' | 4' | 6.9'  | 11 | 10.9' | 4.3' |
| 12' | 6.9' | 7  | 8.8'  | 7.4' | 5' | 8.7'  | 7  | 13.7' | 5.4' |
| 14' | 8.1' | 5  | 10.2' | 8.7' | 6' | 10.4' | 5  | 16.4' | 6.4' |

# 4 1/2" x 4 1/2" aperture

## CMH MR16 lensed adjustable accent



Ceiling cutout: 5 1/4" x 5 1/4"  
Ceiling thickness: 2" Max.



### How to specify

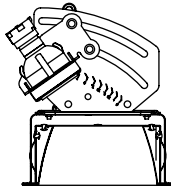
|                    |                     |
|--------------------|---------------------|
| Trim kit           | Frame-in kit        |
| C4X4MRW <b>CLW</b> | C4X4 <b>20</b> MREU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|--------|
| C4X420MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/4" | 7 1/2" |
| C4X439MREU    | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/4" | 7 1/2" |

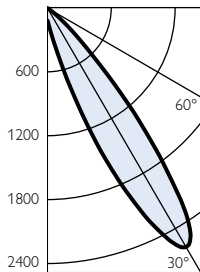
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" x 4 1/2" 20W CMH MR16 12°

Reflector trim: C4X4MRW **CLW**



**Report:** 3421FR  
**Lamp:** 20W CMH MR16 12°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 78.4%



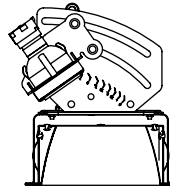
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

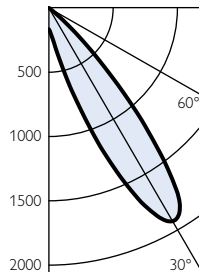
| 30° Aiming angle Horizontal surface |      |    |      |      | 30° Aiming angle Vertical surface |       |    |      |      |
|-------------------------------------|------|----|------|------|-----------------------------------|-------|----|------|------|
| D                                   | C    | FC | L    | W    | D                                 | C     | FC | L    | W    |
| 6'                                  | 3.5' | 47 | 1.7' | 1.5' | 2'                                | 3.5'  | 81 | 1.7' | 0.8' |
| 8'                                  | 4.6' | 26 | 2.3' | 1.9' | 3'                                | 5.2'  | 36 | 2.6' | 1.3' |
| 10'                                 | 5.8' | 17 | 2.8' | 2.4' | 4'                                | 6.9'  | 20 | 3.5' | 1.7' |
| 12'                                 | 6.9' | 12 | 3.4' | 2.9' | 5'                                | 8.7'  | 13 | 4.3' | 2.1' |
| 14'                                 | 8.1' | 9  | 3.9' | 3.4' | 6'                                | 10.4' | 9  | 5.2' | 2.5' |

### 4 1/2" x 4 1/2" 20W CMH MR16 25°

Reflector trim: C4X4MRW **CLW**



**Report:** 3418FR  
**Lamp:** 20W CMH MR16 25°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 63.2%



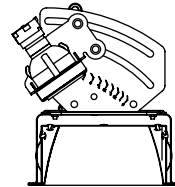
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

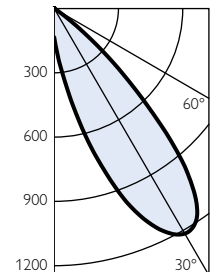
| 30° Aiming angle Horizontal surface |      |    |      |      | 30° Aiming angle Vertical surface |       |    |       |      |
|-------------------------------------|------|----|------|------|-----------------------------------|-------|----|-------|------|
| D                                   | C    | FC | L    | W    | D                                 | C     | FC | L     | W    |
| 6'                                  | 3.5' | 35 | 3.1' | 2.7' | 2'                                | 3.5'  | 60 | 3.5'  | 1.6' |
| 8'                                  | 4.6' | 19 | 4.2' | 3.6' | 3'                                | 5.2'  | 27 | 5.3'  | 2.3' |
| 10'                                 | 5.8' | 12 | 5.2' | 4.5' | 4'                                | 6.9'  | 15 | 7.0'  | 3.1' |
| 12'                                 | 6.9' | 9  | 6.3' | 5.4' | 5'                                | 8.7'  | 10 | 8.8'  | 3.9' |
| 14'                                 | 8.1' | 6  | 7.3' | 6.3' | 6'                                | 10.4' | 7  | 10.5' | 4.7' |

### 4 1/2" x 4 1/2" 20W CMH MR16 40°

Reflector trim: C4X4MRW **CLW**



**Report:** 3416FR  
**Lamp:** 20W CMH MR16 40°  
GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 69.6%



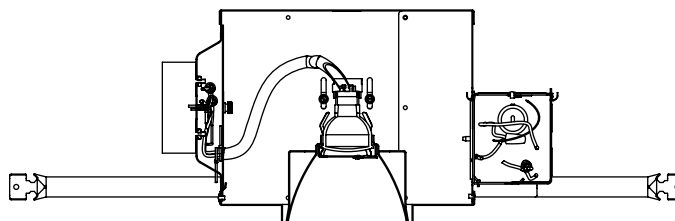
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

| 30° Aiming angle Horizontal surface |      |    |       |      | 30° Aiming angle Vertical surface |       |    |       |      |
|-------------------------------------|------|----|-------|------|-----------------------------------|-------|----|-------|------|
| D                                   | C    | FC | L     | W    | D                                 | C     | FC | L     | W    |
| 6'                                  | 3.5' | 22 | 4.4'  | 3.7' | 2'                                | 3.5'  | 38 | 5.5'  | 2.1' |
| 8'                                  | 4.6' | 12 | 5.9'  | 5.0' | 3'                                | 5.2'  | 17 | 8.2'  | 3.2' |
| 10'                                 | 5.8' | 8  | 7.3'  | 6.2' | 4'                                | 6.9'  | 9  | 10.9' | 4.3' |
| 12'                                 | 6.9' | 5  | 8.8'  | 7.4' | 5'                                | 8.7'  | 6  | 13.7' | 5.4' |
| 14'                                 | 8.1' | 4  | 10.2' | 8.7' | 6'                                | 10.4' | 4  | 16.4' | 6.4' |

# 4 1/2" aperture

## CMH MR16 downlight



Ceiling cutout: 5 1/16" Dia.  
Ceiling thickness: 1 1/8" Max.

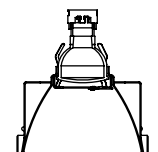
### How to specify

|                  |                   |
|------------------|-------------------|
| Trim kit         | Frame-in kit      |
| C4MRD <b>CLW</b> | C4 <b>20</b> MREU |

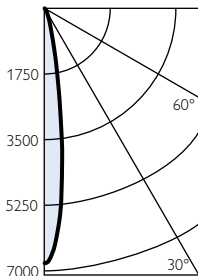
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|-----------------------|--------------|-----------------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Specular clear        | CLW          | CLP             |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

Reflector trim: C4MRD **CLW**



**Report:** 3405FR  
**Lamp:** 20W CMH MR16 12° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 91.2%  
**Spacing:** 0.3



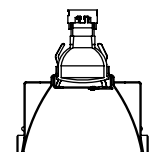
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 8'                      | 106                              | 2.5'          |
| 10'                     | 68                               | 3'            |
| 12'                     | 47                               | 3.5'          |

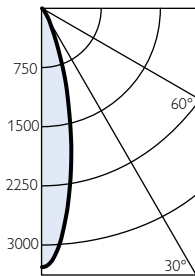
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 25° FL

Reflector trim: C4MRD **CLW**



**Report:** 3392FR  
**Lamp:** 20W CMH MR16 25° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 92.5%  
**Spacing:** 0.4



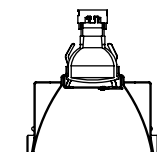
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 91                               | 2.5'          |
| 8'                      | 51                               | 3.2'          |
| 10'                     | 33                               | 4'            |

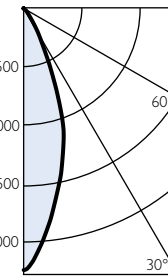
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 40° WFL

Reflector trim: C4MRD **CLW**



**Report:** 3391FR  
**Lamp:** 20W CMH MR16 40° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 92.7%  
**Spacing:** 0.6



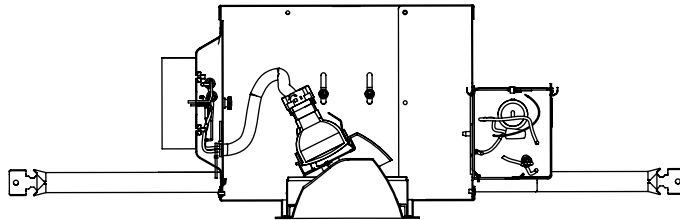
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 62                               | 4'            |
| 8'                      | 35                               | 5'            |
| 10'                     | 22                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum.

# 4 1/2" aperture

## CMH MR16 open adjustable accent



**Ceiling cutout:** 5 1/8" Dia.  
**Ceiling thickness:** 1 1/8" Max.



### How to specify

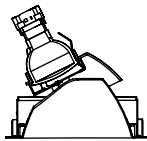
|                  |                   |
|------------------|-------------------|
| Trim kit         | Frame-in kit      |
| C4MRA <b>CLW</b> | C4 <b>20</b> MREU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/8" | 7 1/16" |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/8" | 7 1/16" |

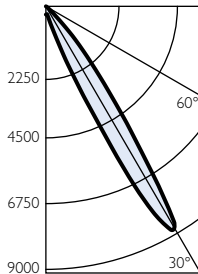
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

**Reflector trim:** C4MRA **CLW**



**Report:** 3403FR  
**Lamp:** 20W CMH MR16 12° GX10 BASE



30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

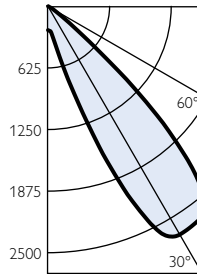
| D   | C    | FC  | L    | W    | D  | C     | FC  | L    | W    |
|-----|------|-----|------|------|----|-------|-----|------|------|
| 6'  | 3.5' | 158 | 1.7' | 1.5' | 2' | 3.5'  | 274 | 1.7' | 0.8' |
| 8'  | 4.6' | 89  | 2.3' | 1.9' | 3' | 5.2'  | 122 | 2.6' | 1.3' |
| 10' | 5.8' | 57  | 2.8' | 2.4' | 4' | 6.9'  | 69  | 3.5' | 1.7' |
| 12' | 6.9' | 40  | 3.4' | 2.9' | 5' | 8.7'  | 44  | 4.3' | 2.1' |
| 14' | 8.1' | 29  | 3.9' | 3.4' | 6' | 10.4' | 30  | 5.2' | 2.5' |

### 4 1/2" 20W CMH MR16 25° FL

**Reflector trim:** C4MRA **CLW**



**Report:** 3394FR  
**Lamp:** 20W CMH MR16 25° GX10 BASE



30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

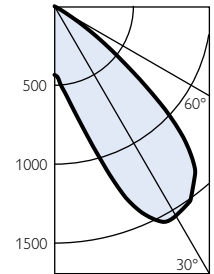
| D   | C    | FC | L    | W    | D  | C     | FC | L     | W    |
|-----|------|----|------|------|----|-------|----|-------|------|
| 6'  | 3.5' | 48 | 3.6' | 3.1' | 2' | 3.5'  | 84 | 4.2'  | 1.8' |
| 8'  | 4.6' | 27 | 4.8' | 4.1' | 3' | 5.2'  | 37 | 6.2'  | 2.7' |
| 10' | 5.8' | 17 | 6.0' | 5.1' | 4' | 6.9'  | 21 | 8.3'  | 3.5' |
| 12' | 6.9' | 12 | 7.2' | 6.1' | 5' | 8.7'  | 13 | 10.4' | 4.4' |
| 14' | 8.1' | 9  | 8.4' | 7.2' | 6' | 10.4' | 9  | 12.5' | 5.3' |

### 4 1/2" 20W CMH MR16 40° WFL

**Reflector trim:** C4MRA **CLW**



**Report:** 3386FR  
**Lamp:** 20W CMH MR16 40° GX10 BASE



30° Aiming angle  
Horizontal surface

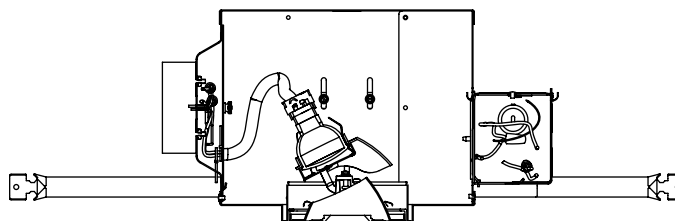
30° Aiming angle  
Vertical surface

| D   | C    | FC | L     | W     | D  | C     | FC | L     | W    |
|-----|------|----|-------|-------|----|-------|----|-------|------|
| 6'  | 3.5' | 28 | 6.1'  | 5.0'  | 2' | 3.5'  | 48 | 9.7'  | 2.9' |
| 8'  | 4.6' | 16 | 8.1'  | 6.7'  | 3' | 5.2'  | 21 | 14.5' | 4.4' |
| 10' | 5.8' | 10 | 10.2' | 8.4'  | 4' | 6.9'  | 12 | 19.3' | 5.8' |
| 12' | 6.9' | 7  | 12.2' | 10.1' | 5' | 8.7'  | 8  | 24.2' | 7.3' |
| 14' | 8.1' | 5  | 14.2' | 11.8' | 6' | 10.4' | 5  | 29.0' | 8.7' |



# 4 1/2" aperture

CMH MR16 pinhole adjustable accent



Ceiling cutout: 5 1/16" Dia.  
Ceiling thickness: 1 1/8" Max.

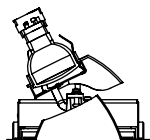
## How to specify

|                   |                   |
|-------------------|-------------------|
| Trim kit          | Frame-in kit      |
| C4MR2 <b>CCLW</b> | C4 <b>20</b> MREU |

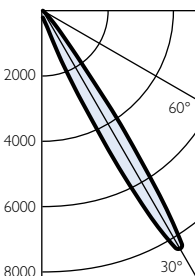
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|-----------------------|--------------|-----------------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Specular clear        | CLW          | CLP             |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

Reflector trim: C4MR2 **CCLW**



Report: 3401FR  
Lamp: 20W CMH MR16 12° GX10 Base



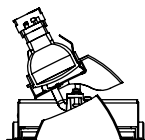
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

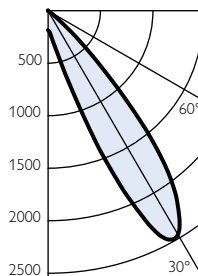
| Horizontal surface |      |     |      |      | Vertical surface |       |     |      |      |
|--------------------|------|-----|------|------|------------------|-------|-----|------|------|
| D                  | C    | FC  | L    | W    | D                | C     | FC  | L    | W    |
| 6'                 | 3.5' | 152 | 1.7' | 1.5' | 2'               | 3.5'  | 263 | 1.7' | 0.8' |
| 8'                 | 4.6' | 85  | 2.3' | 1.9' | 3'               | 5.2'  | 117 | 2.6' | 1.3' |
| 10'                | 5.8' | 55  | 2.8' | 2.4' | 4'               | 6.9'  | 66  | 3.5' | 1.7' |
| 12'                | 6.9' | 38  | 3.4' | 2.9' | 5'               | 8.7'  | 42  | 4.3' | 2.1' |
| 14'                | 8.1' | 28  | 3.9' | 3.4' | 6'               | 10.4' | 29  | 5.2' | 2.5' |

### 4 1/2" 20W CMH MR16 25° FL

Reflector trim: C4MR2 **CCLW**



Report: 3395FR  
Lamp: 20W CMH MR16 25° GX10 Base



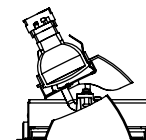
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

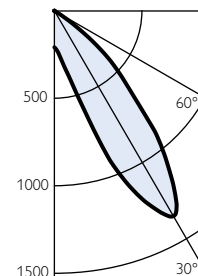
| Horizontal surface |      |    |      |      | Vertical surface |       |    |       |      |
|--------------------|------|----|------|------|------------------|-------|----|-------|------|
| D                  | C    | FC | L    | W    | D                | C     | FC | L     | W    |
| 6'                 | 3.5' | 45 | 3.6' | 3.1' | 2'               | 3.5'  | 77 | 4.2'  | 1.8' |
| 8'                 | 4.6' | 25 | 4.8' | 4.1' | 3'               | 5.2'  | 34 | 6.2'  | 2.7' |
| 10'                | 5.8' | 16 | 6.0' | 5.1' | 4'               | 6.9'  | 19 | 8.3'  | 3.5' |
| 12'                | 6.9' | 11 | 7.2' | 6.1' | 5'               | 8.7'  | 12 | 10.4' | 4.4' |
| 14'                | 8.1' | 8  | 8.4' | 7.2' | 6'               | 10.4' | 9  | 12.5' | 5.3' |

### 4 1/2" 20W CMH MR16 35° WFL

Reflector trim: C4MR2 **CCLW**



Report: 3386FR  
Lamp: 20W CMH MR16 40° GX10 Base



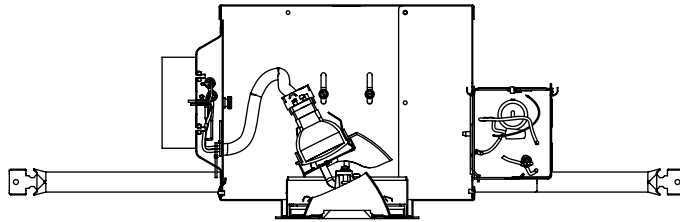
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

| Horizontal surface |      |    |       |       | Vertical surface |       |    |       |      |
|--------------------|------|----|-------|-------|------------------|-------|----|-------|------|
| D                  | C    | FC | L     | W     | D                | C     | FC | L     | W    |
| 6'                 | 3.5' | 24 | 5.2'  | 4.4'  | 2'               | 3.5'  | 42 | 7.2'  | 2.5' |
| 8'                 | 4.6' | 14 | 7.0'  | 5.8'  | 3'               | 5.2'  | 19 | 10.8' | 3.8' |
| 10'                | 5.8' | 9  | 8.7'  | 7.3'  | 4'               | 6.9'  | 11 | 14.4' | 5.0' |
| 12'                | 6.9' | 6  | 10.4' | 8.7'  | 5'               | 8.7'  | 7  | 18.0' | 6.3' |
| 14'                | 8.1' | 4  | 12.2' | 10.2' | 6'               | 10.4' | 5  | 21.6' | 7.6' |

# 4 1/2" aperture

## CMH MR16 pinhole adjustable accent



**Ceiling cutout:** 5 1/8" Dia.  
**Ceiling thickness:** 1 1/8" Max.

### How to specify

| Trim kit        | Frame-in kit      |
|-----------------|-------------------|
| C4MRP <b>BK</b> | C4 <b>20</b> MREU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/8" | 7 1/16" |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/8" | 7 1/16" |

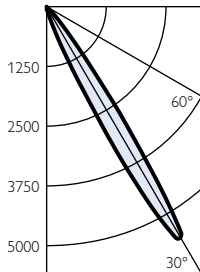
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

**Reflector trim:** C4MRP **BK**



**Report:** 3400FR  
**Lamp:** 20W CMH MR16 12° GX10 Base



30° Aiming angle  
Horizontal surface

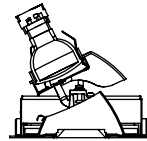
| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 101 | 1.7' | 1.5' |
| 8'  | 4.6' | 57  | 2.3' | 1.9' |
| 10' | 5.8' | 36  | 2.8' | 2.4' |
| 12' | 6.9' | 25  | 3.4' | 2.9' |
| 14' | 8.1' | 19  | 3.9' | 3.4' |

30° Aiming angle  
Vertical surface

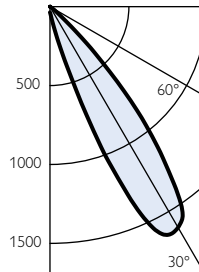
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 175 | 1.7' | 0.8' |
| 3' | 5.2'  | 78  | 2.6' | 1.3' |
| 4' | 6.9'  | 44  | 3.5' | 1.7' |
| 5' | 8.7'  | 28  | 4.3' | 2.1' |
| 6' | 10.4' | 19  | 5.2' | 2.5' |

### 4 1/2" 20W CMH MR16 20° FL

**Reflector trim:** C4MRP **BK**



**Report:** 3397FR  
**Lamp:** 20W CMH MR16 25° GX10 Base



30° Aiming angle  
Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 29 | 2.9' | 2.4' |
| 8'  | 4.6' | 16 | 3.8' | 3.3' |
| 10' | 5.8' | 11 | 4.8' | 4.1' |
| 12' | 6.9' | 7  | 5.7' | 4.9' |
| 14' | 8.1' | 5  | 6.7' | 5.7' |

30° Aiming angle  
Vertical surface

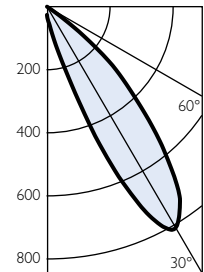
| D  | C     | FC | L    | W    |
|----|-------|----|------|------|
| 2' | 3.5'  | 51 | 3.1' | 1.4' |
| 3' | 5.2'  | 22 | 4.7' | 2.1' |
| 4' | 6.9'  | 13 | 6.2' | 2.8' |
| 5' | 8.7'  | 8  | 7.8' | 3.5' |
| 6' | 10.4' | 6  | 9.3' | 4.2' |

### 4 1/2" 20W CMH MR16 30° WFL

**Reflector trim:** C4MRP **BK**



**Report:** 3387FR  
**Lamp:** 20W CMH MR16 40° GX10 Base



30° Aiming angle  
Horizontal surface

| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 15 | 4.4'  | 3.7' |
| 8'  | 4.6' | 8  | 5.9'  | 5.0' |
| 10' | 5.8' | 5  | 7.3'  | 6.2' |
| 12' | 6.9' | 4  | 8.8'  | 7.4' |
| 14' | 8.1' | 3  | 10.2' | 8.7' |

30° Aiming angle  
Vertical surface

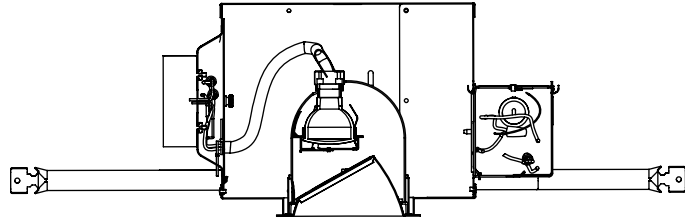
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 25 | 5.5'  | 2.1' |
| 3' | 5.2'  | 11 | 8.2'  | 3.2' |
| 4' | 6.9'  | 6  | 10.9' | 4.3' |
| 5' | 8.7'  | 4  | 13.7' | 5.4' |
| 6' | 10.4' | 3  | 16.4' | 6.4' |





# 4 1/2" aperture

CMH MR16 lensed wall wash



**Ceiling cutout:** 5 1/16" Dia.  
**Ceiling thickness:** 1 1/8" Max.

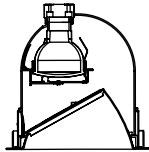
## How to specify

|                   |                   |
|-------------------|-------------------|
| Trim kit          | Frame-in kit      |
| C4MRL <b>CCLW</b> | C4 <b>20</b> MREU |

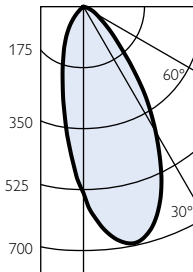
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|-----------------------|--------------|-----------------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Specular clear        | CLW          | CLP             |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Comfort clear diffuse | CCDW         | CCDP            |

## 4 1/2" 20W CMH MR16 40° FL

**Reflector trim:** C4MRL **CCLW**

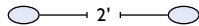


**Report:**  
**Lamp:** 20W CMH  
 MR16 40°  
 GX10 Base



### Multiple units Footcandles on wall

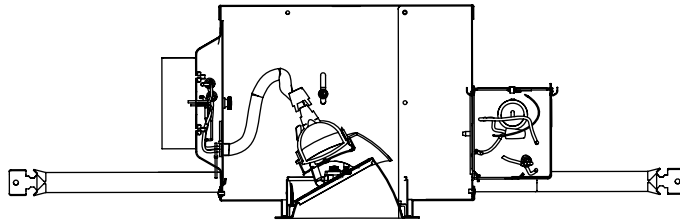
2' from Wall - 2' On Center



| Distance from ceiling in feet | 9  | 8  | 9  |
|-------------------------------|----|----|----|
| 1                             | 9  | 8  | 9  |
| 2                             | 18 | 17 | 18 |
| 3                             | 23 | 23 | 23 |
| 4                             | 21 | 22 | 21 |
| 5                             | 18 | 18 | 18 |
| 6                             | 14 | 15 | 14 |
| 7                             | 11 | 11 | 11 |
| 8                             | 9  | 9  | 9  |
| 9                             | 8  | 8  | 8  |
| 10                            | 6  | 6  | 6  |

# 4 1/2" aperture

## CMH MR16 lensed adjustable accent



**Ceiling cutout:** 5 1/8" Dia.  
**Ceiling thickness:** 1 1/8" Max.



### How to specify

| Trim kit          | Frame-in kit      |
|-------------------|-------------------|
| C4MRW <b>CCLW</b> | C4 <b>20</b> MREU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/8" | 7 1/16" |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/8" | 7 1/16" |

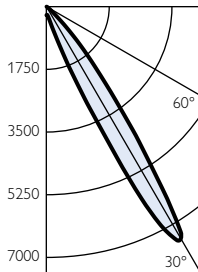
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

**Reflector trim:** C4MRW **CCLW**



**Report:** 3404FR  
**MBCP:** 7489 cd  
**Beam angle:** 12°



30° Aiming angle  
Horizontal surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 135 | 1.7' | 1.5' |
| 8'  | 4.6' | 76  | 2.3' | 1.9' |
| 10' | 5.8' | 49  | 2.8' | 2.4' |
| 12' | 6.9' | 34  | 3.4' | 2.9' |
| 14' | 8.1' | 25  | 3.9' | 3.4' |

30° Aiming angle  
Vertical surface

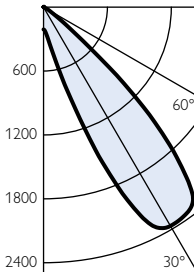
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 234 | 1.7' | 0.8' |
| 3' | 5.2'  | 104 | 2.6' | 1.3' |
| 4' | 6.9'  | 59  | 3.5' | 1.7' |
| 5' | 8.7'  | 37  | 4.3' | 2.1' |
| 6' | 10.4' | 26  | 5.2' | 2.5' |

### 4 1/2" 20W CMH MR16 25° FL

**Reflector trim:** C4MRW **CCLW**



**Report:** 3393FR  
**MBCP:** 2375 cd  
**Beam angle:** 25°



30° Aiming angle  
Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 43 | 3.6' | 3.1' |
| 8'  | 4.6' | 24 | 4.8' | 4.1' |
| 10' | 5.8' | 15 | 6.0' | 5.1' |
| 12' | 6.9' | 11 | 7.2' | 6.1' |
| 14' | 8.1' | 8  | 8.4' | 7.2' |

30° Aiming angle  
Vertical surface

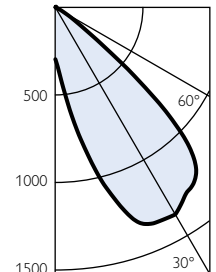
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 74 | 4.2'  | 1.8' |
| 3' | 5.2'  | 33 | 6.2'  | 2.7' |
| 4' | 6.9'  | 19 | 8.3'  | 3.5' |
| 5' | 8.7'  | 12 | 10.4' | 4.4' |
| 6' | 10.4' | 8  | 12.5' | 5.3' |

### 4 1/2" 20W CMH MR16 40° WFL

**Reflector trim:** C4MRW **CCLW**



**Report:** 3390FR  
**MBCP:** 1366 cd  
**Beam angle:** 40°



30° Aiming angle  
Horizontal surface

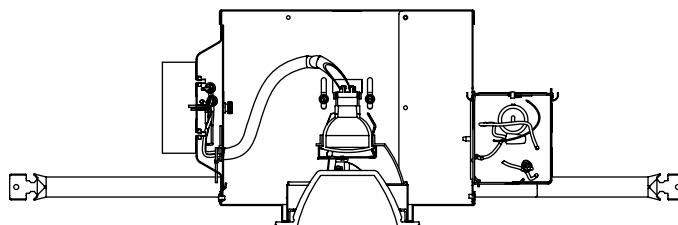
| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 25 | 6.1'  | 5.0'  |
| 8'  | 4.6' | 14 | 8.1'  | 6.7'  |
| 10' | 5.8' | 9  | 10.2' | 8.4'  |
| 12' | 6.9' | 6  | 12.2' | 10.1' |
| 14' | 8.1' | 5  | 14.2' | 11.8' |

30° Aiming angle  
Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 43 | 9.7'  | 2.9' |
| 3' | 5.2'  | 19 | 14.5' | 4.4' |
| 4' | 6.9'  | 11 | 19.3' | 5.8' |
| 5' | 8.7'  | 7  | 24.2' | 7.3' |
| 6' | 10.4' | 5  | 29.0' | 8.7' |

# 4 1/2" aperture

## CMH MR16 Glasslite downlight



**Ceiling cutout:** 5 1/16" Dia.  
**Ceiling thickness:** 1 1/8" Max.

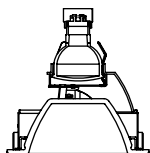
### How to specify

|          |              |
|----------|--------------|
| Trim kit | Frame-in kit |
| C4MRGD   | C420MREU     |

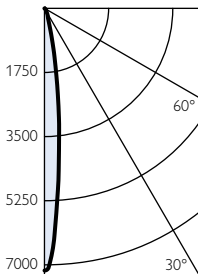
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|-----------------------|--------------|-----------------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Specular clear        | CLW          | CLP             |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 5/8" | 7 1/16" | Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

**Glass Trim:** C4MRGD



**Report:** 3399FR  
**Lamp:** 20W CMH MR16 12° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 87.7%  
**Spacing:** 0.2



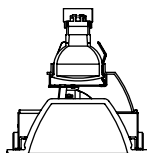
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 8'                      | 112                              | 1.6'          |
| 10'                     | 72                               | 2'            |
| 12'                     | 50                               | 2.4'          |

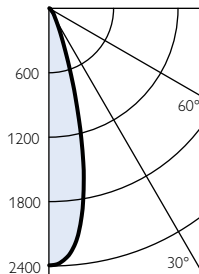
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 25° FL

**Glass Trim:** C4MRGD



**Report:** 3398FR  
**Lamp:** 20W CMH MR16 25° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 76.7%  
**Spacing:** 0.5



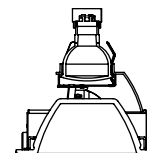
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 66                               | 3'            |
| 8'                      | 37                               | 4'            |
| 10'                     | 24                               | 5'            |

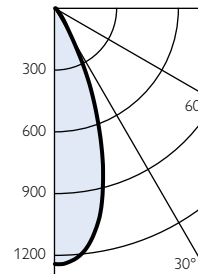
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 40° WFL

**Glass Trim:** C4MRGD



**Report:** 3389FR  
**Lamp:** 20W CMH MR16 40° GX10 Base  
**Initial lumens:** 1,000  
**Efficiency:** 66.4%  
**Spacing:** 0.6



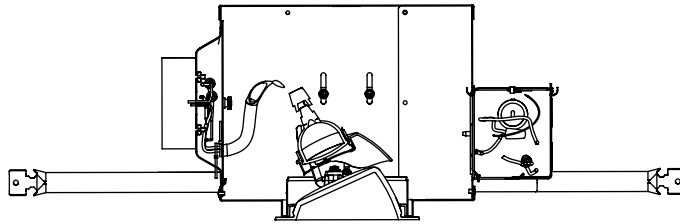
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 35                               | 3.6'          |
| 8'                      | 11                               | 4.8'          |
| 10'                     | 12                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum.

# 4 1/2" aperture

## CMH MR16 Glasslite adjustable accent



**Ceiling cutout:** 5 1/16" Dia.  
**Ceiling thickness:** 1 1/8" Max.



### How to specify

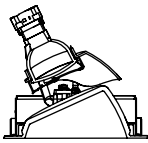
|          |              |
|----------|--------------|
| Trim kit | Frame-in kit |
| C4MRGA   | C420MREU     |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  | Height  |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|---------|
| C420MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 20 (23)                  | 20" – 30"     | 9 3/8" | 7 1/16" |
| C439MREU      | Non-IC | Electronic | 120V/277V     | CMH MR16 | 39 (44)                  | 20" – 30"     | 9 3/8" | 7 1/16" |

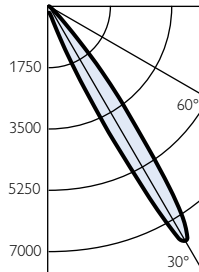
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" 20W CMH MR16 12° SP

**Glass Trim:** C4MRGA



**Report:** 3399FR  
**Lamp:** 20W CMH MR16 12° GX10 Base



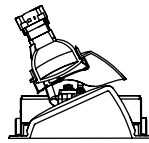
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 8'                      | 112                              | 1.6'          |
| 10'                     | 72                               | 2'            |
| 12'                     | 50                               | 2.4'          |

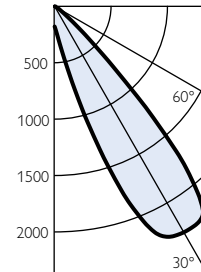
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 25° FL

**Glass Trim:** C4MRGA



**Report:** 3398FR  
**Lamp:** 20W CMH MR16 25° GX10 Base



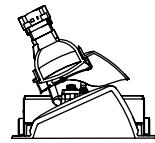
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 66                               | 3'            |
| 8'                      | 37                               | 4'            |
| 10'                     | 24                               | 5'            |

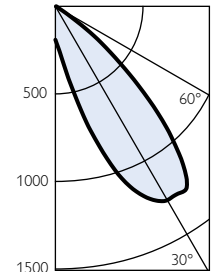
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" 20W CMH MR16 35° WFL

**Glass Trim:** C4MRGA



**Report:** 3389FR  
**Lamp:** 20W CMH MR16 40° GX10 Base



Single unit

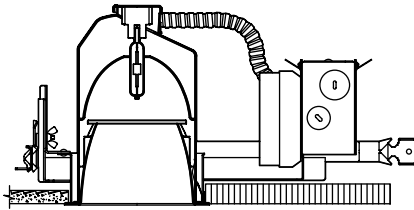
| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 35                               | 3.6'          |
| 8'                      | 11                               | 4.8'          |
| 10'                     | 12                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum.



# 4 1/2" aperture

## T4.5 metal halide downlight



Ceiling cutout: 5 1/8" Dia.



### How to specify

|                   |                   |
|-------------------|-------------------|
| Trim kit          | Frame-in kit      |
| C4T4VN <b>CLW</b> | C4 <b>20</b> T4EU |

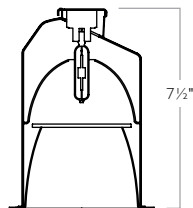
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width  |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|--------|
| C420T4EU      | Non-IC | Electronic | 120V/277V     | T4-G8.5  | 20 (23)                  | 20" – 30"     | 9 3/8" |
| C420T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 20 (23)                  | 20" – 30"     | 9 3/8" |
| C420BT5PGJ5E1 | Non-IC | Electronic | 120V          | T4-PGJ5  | 22 (25)                  | 20" – 30"     | 9 3/8" |
| C439T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 9 3/8" |
| C439T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 9 3/8" |
| C439T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 39 (44)                  | 20" – 30"     | 9 3/8" |
| C470T4E1*     | Non-IC | Electronic | 120V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 9 3/8" |
| C470T4E2*     | Non-IC | Electronic | 277V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 9 3/8" |

\* See specification sheet for marked spacing requirements.

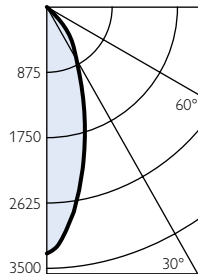
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Specular clear        | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

### 4 1/2" T4.5 narrow beam 39W

Reflector trim: C4T4VN **CLW**



**Report:** 2400FR  
**Lamp:** 39W T4.5  
 Ceramic MH  
**Efficiency:** 57.2%  
**Spacing:** 0.6



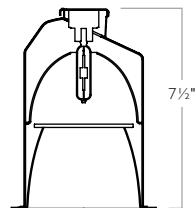
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 162                              | 3'            |
| 6'                      | 72                               | 4'            |
| 8'                      | 41                               | 5'            |
| 10'                     | 26                               | 6'            |

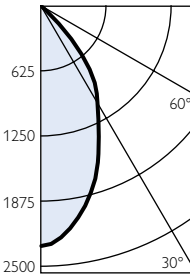
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

### 4 1/2" T4.5 medium beam 39W

Reflector trim: C4T4VM **CLW**



**Report:** 2321FR  
**Lamp:** 39W T4.5  
 Ceramic MH  
**Efficiency:** 62.4%  
**Spacing:** 0.8



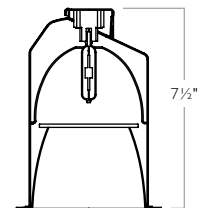
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts Per Sq Ft |
|-------------------|---------------------|-----------------|
| 6'                | 62                  | 1.22'           |
| 8'                | 35                  | 0.69'           |
| 9'                | 28                  | 0.54'           |
| 10'               | 22                  | 0.44'           |
| 11'               | 19                  | 0.36'           |

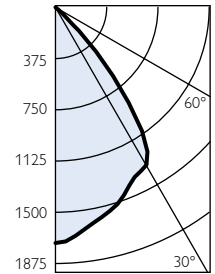
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" T4.5 wide beam 39W

Reflector trim: C4T4VW **CLW**



**Report:** 2317FR  
**Lamp:** 39W T4.5  
 Ceramic MH  
**Efficiency:** 64.5%  
**Spacing:** 1.1



Multiple unit data (RCR 2)

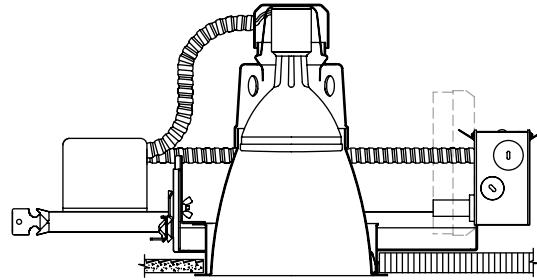
| Spacing on center | Initial footcandles | Watts Per Sq Ft |
|-------------------|---------------------|-----------------|
| 6'                | 61                  | 1.22'           |
| 8'                | 35                  | 0.69'           |
| 9'                | 27                  | 0.54'           |
| 10'               | 22                  | 0.44'           |
| 11'               | 18                  | 0.36'           |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances



# 6" aperture

PAR metal halide downlight



Ceiling cutout: 6 5/8" Dia.

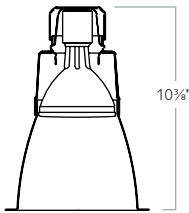
## How to specify

|                    |                   |
|--------------------|-------------------|
| Trim kit           | Frame-in kit      |
| C6P30MH <b>CLW</b> | C6 <b>39</b> MHE1 |

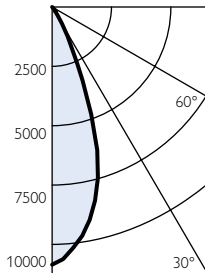
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|---------|-----------------------|--------------|-----------------|
| C639MHE1      | Non-IC | Electronic | 120V          | PAR20    | 39 (44)                  | 20" – 30"     | 10 7/8" | Specular clear        | CLW          | CLP             |
| C639MHE2      | Non-IC | Electronic | 277V          | PAR20    | 39 (44)                  | 20" – 30"     | 10 7/8" | Comfort clear diffuse | CCDW         | CCDP            |
| C639MHU       | Non-IC | Magnetic   | 120/277V      | PAR20    | 39 (56)                  | 20" – 30"     | 18 3/8" |                       |              |                 |
| C670MHE1      | Non-IC | Electronic | 120V          | PAR30/38 | 70 (78)                  | 20" – 30"     | 10 7/8" |                       |              |                 |
| C670MHE2      | Non-IC | Electronic | 277V          | PAR30/38 | 70 (78)                  | 20" – 30"     | 10 7/8" |                       |              |                 |
| C670MHU       | Non-IC | Magnetic   | 120/277V      | PAR30/38 | 70 (94)                  | 20" – 30"     | 18 3/8" |                       |              |                 |
| C610MHE1      | Non-IC | Electronic | 120V          | PAR38    | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                 |
| C610MHE2      | Non-IC | Electronic | 277V          | PAR38    | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                 |
| C610MHU       | Non-IC | Magnetic   | 120/277V      | PAR38    | 100 (125)                | 20" – 30"     | 18 3/8" |                       |              |                 |

## 6" PAR30 flood 70W

Reflector trim: C6P30MH **CLW**



**Report:** 2463FR  
**Lamp:** 70W PAR30 FL  
 Ceramic MH  
**Efficiency:** 92.6%  
**Spacing:** 0.6



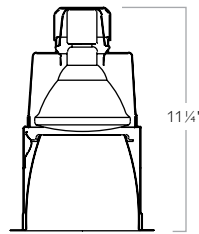
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts Per Sq Ft |
|-------------------|---------------------|-----------------|
| 6'                | 136                 | 2.17'           |
| 8'                | 77                  | 1.22'           |
| 9'                | 60                  | 0.96'           |

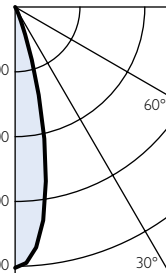
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

## 6" PAR38 flood 100W

Reflector trim: C6P38MH **CLW**



**Report:** 2455FR  
**Lamp:** 100W PAR38 FL  
 Ceramic MH  
**Efficiency:** 81.9%  
**Spacing:** 0.4



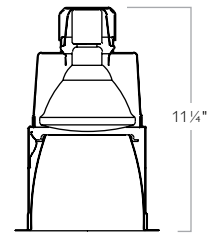
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 14'                     | 107                              | 6'            |
| 16'                     | 82                               | 7'            |
| 18'                     | 65                               | 8'            |

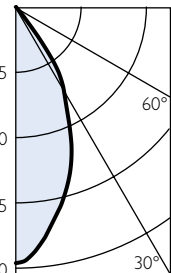
Beam diameter defined as point at which foot-candles drop to 50% of maximum

## 6" PAR38 Wide flood 100W

Reflector trim: C6P38MH **CLW**



**Report:** 2456FR  
**Lamp:** 100W PAR38 WFL  
 Ceramic MH  
**Efficiency:** 73.7%  
**Spacing:** 0.8



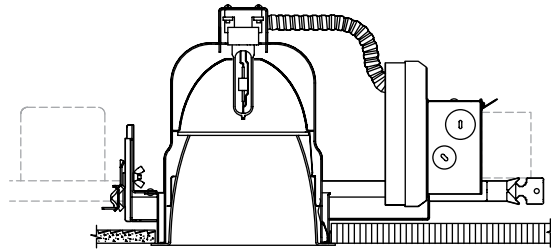
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 149                 | 3.06'             |
| 8'                | 84                  | 1.72'             |
| 9'                | 66                  | 1.36'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

# 6" aperture

## T6 metal halide downlight



Ceiling cutout: 6 5/8" Dia.



### How to specify

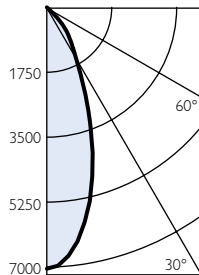
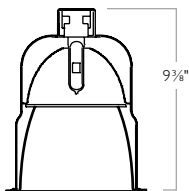
|                       |                              |
|-----------------------|------------------------------|
| Trim kit              | Frame-in kit                 |
| C6T6VN <b>CLW</b>     | C6 <b>39</b> T6E1            |
| Reflector finish      | White Flange Polished flange |
| Specular clear        | CLW CLP                      |
| Comfort clear diffuse | CCDW CCDP                    |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|------|--------------------------|---------------|---------|
| C639T6E1      | Non-IC | Electronic | 120V          | T6   | 39 (44)                  | 20" – 30"     | 10 7/8" |
| C639T6E2      | Non-IC | Electronic | 277V          | T6   | 39 (44)                  | 20" – 30"     | 10 7/8" |
| C670T6E1      | Non-IC | Electronic | 120V          | T6   | 70 (78)                  | 20" – 30"     | 10 7/8" |
| C670T6E2      | Non-IC | Electronic | 277V          | T6   | 70 (78)                  | 20" – 30"     | 10 7/8" |
| C615T6E1*     | Non-IC | Electronic | 120V          | T6   | 150 (167)                | 20" – 30"     | 10 7/8" |
| C615T6E2*     | Non-IC | Electronic | 277V          | T6   | 150 (167)                | 20" – 30"     | 10 7/8" |
| C615T6U*      | Non-IC | Magnetic   | 120/277V      | T6   | 150 (180)                | 20" – 30"     | 18 3/8" |

\* See specification sheet for marked spacing requirements.

### 6" T6 narrow beam 70W

Reflector trim: C6T6VN **CLW**



**Report:** 2334FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 62.7%  
**Spacing:** 0.6

Multiple unit data (RCR 2)

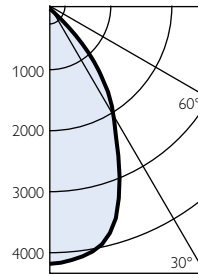
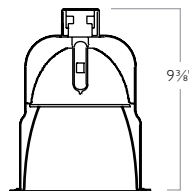
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 123                 | 2.17'             |
| 8'                | 69                  | 1.22'             |
| 9'                | 55                  | 0.96'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

\*\*Based on electronic ballast input watts.

### 6" T6 medium beam 70W

Reflector trim: C6T6VM **CLW**



**Report:** 2335FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 62.8%  
**Spacing:** 0.9

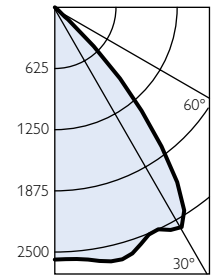
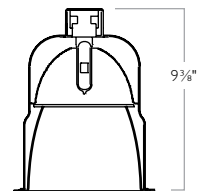
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts Per Sq Ft |
|-------------------|---------------------|-----------------|
| 6'                | 121                 | 2.17'           |
| 8'                | 68                  | 1.22'           |
| 9'                | 54                  | 0.96'           |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" T6 wide beam 70W

Reflector trim: C6T6VW **CLW**



**Report:** 2323FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 60.5%  
**Spacing:** 1.2

Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 116                 | 2.17'             |
| 8'                | 65                  | 1.22'             |
| 9'                | 51                  | 0.96'             |
| 10'               | 42                  | 0.78'             |
| 11'               | 34                  | 0.64'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

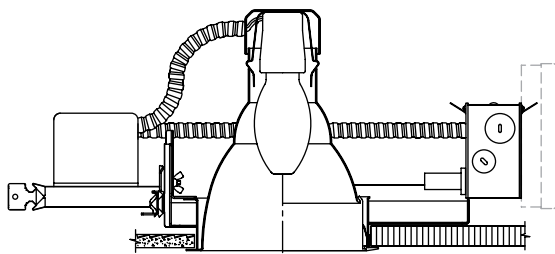
\*\*Based on electronic ballast input watts.





# 6" aperture

ED17/E17 metal halide downlight



Ceiling cutout: 6 5/16" Dia.

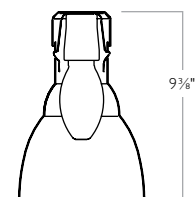
## How to specify

|                     |              |
|---------------------|--------------|
| Trim kit            | Frame-in kit |
| C6E17OVM <b>CLW</b> | C670MHOE1    |

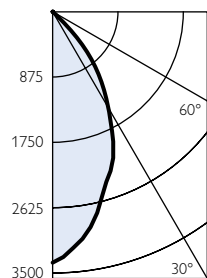
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp              | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|-------------------|--------------------------|---------------|---------|-----------------------|--------------|-----------------|
| C670MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" | Specular clear        | CLW          | CLP             |
| C670MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" | Comfort clear diffuse | CCDW         | CCDP            |
| C670MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 70 (94)                  | 20" – 30"     | 18 5/8" |                       |              |                 |
| C610MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                 |
| C610MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                 |
| C6110MHU      | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 100 (125)                | 20" – 30"     | 18 5/8" |                       |              |                 |

## 6" ED17 Medium beam 70W

Reflector trim: C6E17OVM **CLW**



**Report:** 2368FR  
**Lamp:** 70W ED17  
 Open Rated  
 Ceramic MH  
**Efficiency:** 50.7%  
**Spacing:** 0.8



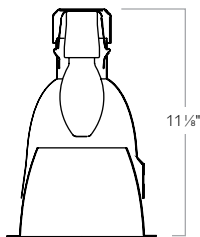
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 86                  | 2.17'             |
| 8'                | 48                  | 1.22'             |
| 9'                | 38                  | 0.96'             |

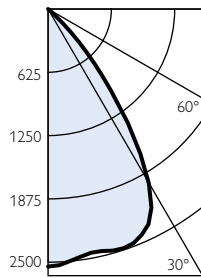
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 6" ED17 Wide beam 70W

Reflector trim: C6E17OVV **CLW**



**Report:** 2540FR  
**Lamp:** 70W ED17 CMH  
 Open Rated  
 Ceramic MH  
**Efficiency:** 54.6%  
**Spacing:** 1.0



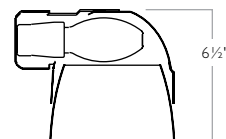
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 90                  | 2.17'             |
| 8'                | 51                  | 1.22'             |
| 9'                | 40                  | 0.96'             |
| 10'               | 32                  | 0.78'             |

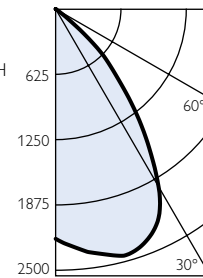
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 6" ED17 Wide beam 70W

Reflector trim: C6E17OHV **CLW**



**Report:** 2380FR  
**Lamp:** 70W ED17 CMH  
 Open Rated  
 Ceramic MH  
**Efficiency:** 57.3%  
**Spacing:** 1.2



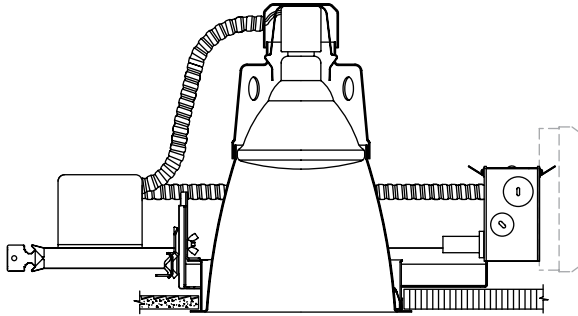
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 95                  | 2.17'             |
| 8'                | 53                  | 1.22'             |
| 9'                | 42                  | 0.96'             |
| 10'               | 34                  | 0.78'             |
| 11'               | 28                  | 0.64'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

# 7" aperture

## PAR 38 metal halide downlight



Ceiling cutout: 8" Dia.



### How to specify

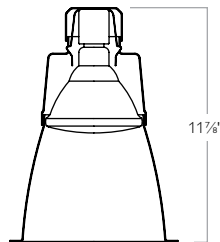
|                       |                   |                 |
|-----------------------|-------------------|-----------------|
| Trim kit              | Frame-in kit      |                 |
| C7P38MH <b>CLW</b>    | C7 <b>70</b> MHE1 |                 |
| Reflector finish      | White Flange      | Polished flange |
| Specular clear        | CLW               | CLP             |
| Comfort clear diffuse | CCDW              | CCDP            |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width              |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|--------------------|
| C770MHE1      | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C770MHE2      | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C770MHU       | Non-IC | Magnetic   | 120/277V      | PAR38 | 70 (94)                  | 20" – 30"     | 18 $\frac{5}{8}$ " |
| C710MHE1*     | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C710MHE2*     | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C710MHU       | Non-IC | Magnetic   | 120/277V      | PAR38 | 100 (125)                | 20" – 30"     | 18 $\frac{5}{8}$ " |
| C715MHE1*     | Non-IC | Electronic | 120V          | PAR38 | 150 (167)                | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C715MHE2*     | Non-IC | Electronic | 277V          | PAR38 | 150 (167)                | 20" – 30"     | 10 $\frac{7}{8}$ " |

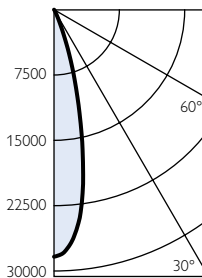
\* See specification sheet for marked spacing requirements.

### 7" Flood 100W

Reflector trim: C7P38MH **CLW**



**Report:** 2421FR  
**Lamp:** 100W  
 PAR38 FL  
 Ceramic MH  
**Efficiency:** 93.8%  
**Spacing:** 0.4



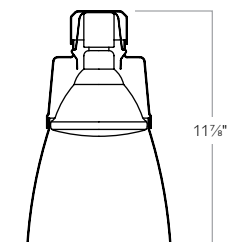
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 195                 | 3.06              |
| 8'                | 109                 | 1.72              |
| 9'                | 86                  | 1.36              |

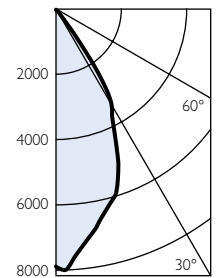
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

### 7" Wide flood 100W

Reflector trim: C7P38MH **CLW**



**Report:** 2422FR  
**Lamp:** 100W  
 PAR38 WFL  
 Ceramic MH  
**Efficiency:** 84.1%  
**Spacing:** 0.8



Multiple unit data (RCR 2)

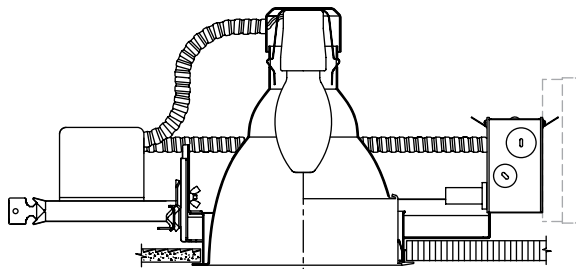
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 170                 | 3.06              |
| 8'                | 96                  | 1.72              |
| 9'                | 76                  | 1.36              |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.



# 7" aperture

ED17/E17 metal halide downlight



Ceiling cutout: 8" Dia.

## How to specify

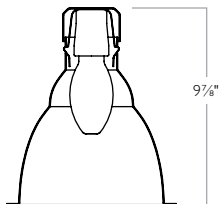
|                     |                    |
|---------------------|--------------------|
| Trim kit            | Frame-in kit       |
| C7E17OVM <b>CLW</b> | C7 <b>70</b> MHOE1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp              | Wattage-lamp (luminaire) | Length (bars) | Width              | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|-------------------|--------------------------|---------------|--------------------|-----------------------|--------------|-----------------|
| C770MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " | Specular clear        | CLW          | CLP             |
| C770MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " | Comfort clear diffuse | CCDW         | CCDP            |
| C770MHOE1     | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 70 (94)                  | 20" – 30"     | 18 $\frac{3}{8}$ " |                       |              |                 |
| C710MHOE1*    | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |                       |              |                 |
| C710MHOE2*    | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |                       |              |                 |
| C710MHOE1     | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 100 (125)                | 20" – 30"     | 18 $\frac{3}{8}$ " |                       |              |                 |
| C715MHOE1*    | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 150 (167)                | 20" – 30"     | 10 $\frac{7}{8}$ " |                       |              |                 |
| C715MHOE2*    | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 150 (167)                | 20" – 30"     | 10 $\frac{7}{8}$ " |                       |              |                 |

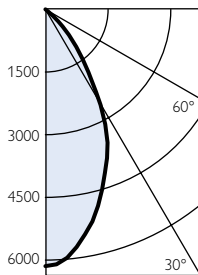
\* See specification sheet for marked spacing requirements.

## 7" ED17 Medium beam 100W

Reflector trim: C7E17OVM **CLW**



**Report:** 2396FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Open Rated  
**Efficiency:** 61.3%  
**Spacing:** 0.8



Multiple unit data (RCR 2)

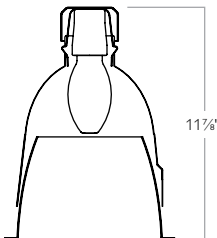
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 153                 | 3.25'             |
| 8'                | 86                  | 1.83'             |
| 9'                | 68                  | 1.44'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

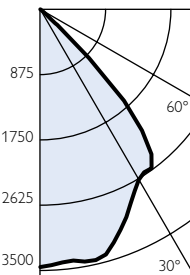
\*\*Based on electronic ballast input watts.

## 7" ED17 Wide beam 100W

Reflector trim: C7E17OVW **CLW**



**Report:** 2374FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Open Rated  
**Efficiency:** 58.6%  
**Spacing:** 1.1



Multiple unit data (RCR 2)

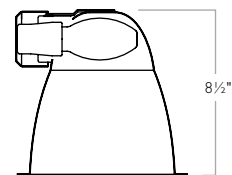
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 144                 | 3.25'             |
| 8'                | 81                  | 1.83'             |
| 9'                | 64                  | 1.44'             |
| 10'               | 52                  | 1.17'             |
| 11'               | 43                  | 0.97'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

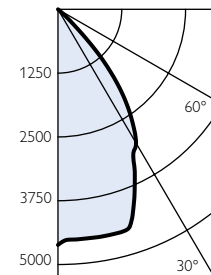
\*\*Based on electronic ballast input watts.

## 7" ED17 Wide beam 100W

Reflector trim: C7E17OHW **CLW**



**Report:** 2267FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Open Rated  
**Efficiency:** 62.20%  
**Spacing:** 1.0



Multiple unit data (RCR 2)

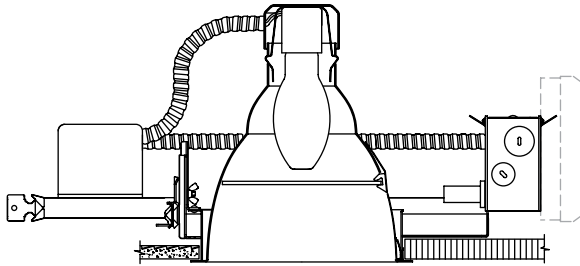
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 153                 | 3.06'             |
| 8'                | 86                  | 1.72'             |
| 9'                | 68                  | 1.36'             |
| 10'               | 55                  | 1.10'             |
| 11'               | 46                  | 0.91'             |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

\*\*Based on electronic ballast input watts.

# 7" aperture

ED17/BD17 metal halide downlight



Ceiling cutout: 8" Dia.



## How to specify

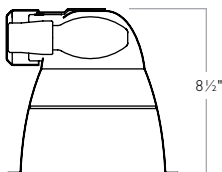
|                       |                   |                 |
|-----------------------|-------------------|-----------------|
| Trim kit              | Frame-in kit      |                 |
| C7E17VM <b>CLW</b>    | C7 <b>70</b> MHE1 |                 |
| Reflector finish      | White Flange      | Polished flange |
| Specular clear        | CLW               | CLP             |
| Comfort clear diffuse | CCDW              | CCDP            |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp                  | Wattage-lamp (luminaire) | Length (bars) | Width              |
|---------------|--------|------------|---------------|-----------------------|--------------------------|---------------|--------------------|
| C770MHE1      | Non-IC | Electronic | 120V          | ED17 (Enclosed-rated) | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C770MHE2      | Non-IC | Electronic | 277V          | ED17 (Enclosed-rated) | 70 (78)                  | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C770MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Enclosed-rated) | 70 (94)                  | 20" – 30"     | 18 $\frac{5}{8}$ " |
| C710MHE1*     | Non-IC | Electronic | 120V          | ED17 (Enclosed-rated) | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C710MHE2*     | Non-IC | Electronic | 277V          | ED17 (Enclosed-rated) | 100 (110)                | 20" – 30"     | 10 $\frac{7}{8}$ " |
| C710MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Enclosed-rated) | 100 (125)                | 20" – 30"     | 18 $\frac{5}{8}$ " |

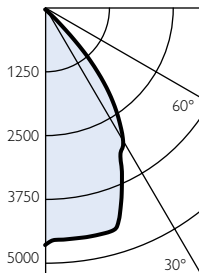
\* See specification sheet for marked spacing requirements.

## 7" ED17 Wide beam 100W

Reflector trim: C7E17HW **CLW**



**Report:** 2267FR  
**Lamp:** 100W ED17 Ceramic MH Open Rated  
**Efficiency:** 62.20%  
**Spacing:** 1.0



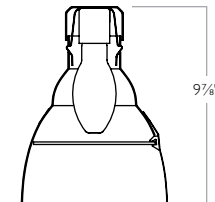
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 153                 | 3.06'             |
| 8'                | 86                  | 1.72'             |
| 9'                | 68                  | 1.36'             |
| 10'               | 55                  | 1.10'             |
| 11'               | 46                  | 0.91'             |

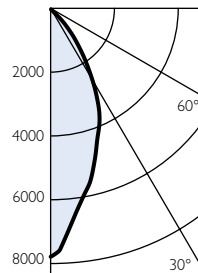
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 7" ED17 Medium beam 100W

Reflector trim: C7E17VM **CLW**



**Report:** 2519FR  
**Lamp:** 100W ED17 Ceramic MH Enclosed  
**Efficiency:** 62.1%  
**Spacing:** 0.7



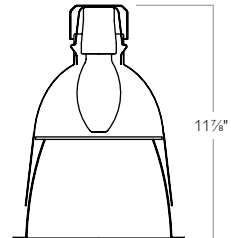
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 156                 | 3.06              |
| 8'                | 88                  | 1.72              |
| 9'                | 69                  | 1.36              |

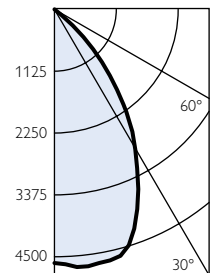
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 7" ED17 Wide beam 100W

Reflector trim: C7E17VW **CLW**



**Report:** 2509FR  
**Lamp:** 100W ED17 Ceramic MH Enclosed  
**Efficiency:** 61.8%  
**Spacing:** 1.0



Multiple unit data (RCR 2)

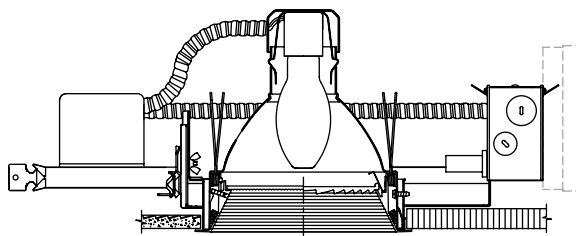
| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6'                | 153                 | 3.06              |
| 8'                | 86                  | 1.72              |
| 9'                | 68                  | 1.36              |
| 10'               | 55                  | 1.10              |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.



# 7" aperture

Wet location metal halide lensed downlights



Ceiling cutout: 8" Dia.

## How to specify

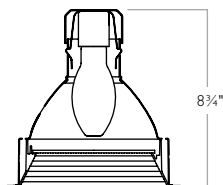
|                    |                   |
|--------------------|-------------------|
| Trim kit           | Frame-in kit      |
| C7E17PL <b>WHW</b> | C7 <b>70</b> MHE1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp                  | Wattage-lamp (luminaire) | Length (bars) | Width                            | Reflector finish                    | Finish |
|---------------|--------|------------|---------------|-----------------------|--------------------------|---------------|----------------------------------|-------------------------------------|--------|
| C770MHE1      | Non-IC | Electronic | 120V          | ED17 (Enclosed-rated) | 70 (78)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " | White step baffle with white flange | WHW    |
| C770MHE2      | Non-IC | Electronic | 277V          | ED17 (Enclosed-rated) | 70 (78)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |                                     |        |
| C770MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Enclosed-rated) | 70 (94)                  | 20" – 30"     | 18 <sup>5</sup> / <sub>8</sub> " |                                     |        |
| C710MHE1*     | Non-IC | Electronic | 120V          | ED17 (Enclosed-rated) | 100 (110)                | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |                                     |        |
| C710MHE2*     | Non-IC | Electronic | 277V          | ED17 (Enclosed-rated) | 100 (110)                | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |                                     |        |
| C710MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Enclosed-rated) | 100 (125)                | 20" – 30"     | 18 <sup>5</sup> / <sub>8</sub> " |                                     |        |

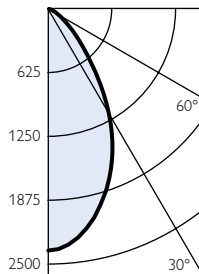
\* See specification sheet for marked spacing requirements.

## 7" ED17 Prismatic 70W

Reflector trim: C7E17PL **WHW**



**Report:** 2553FR  
**Lamp:** 70W ED17  
 Ceramic MH  
 Enclosed  
**Efficiency:** 44.4%  
**Spacing:** 0.9



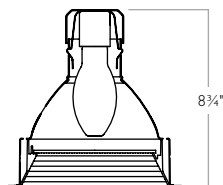
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6                 | 70                  | 2.17              |
| 8                 | 39                  | 1.22              |
| 9                 | 31                  | 0.96              |
| 10                | 25                  | 0.78              |
| 11                | 21                  | 0.64              |

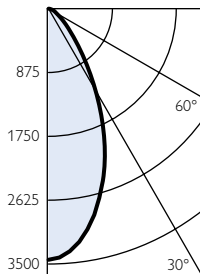
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 7" ED17 Prismatic 100W

Reflector trim: C7E17PL **WHW**



**Report:** 2567FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Enclosed  
**Efficiency:** 44.2%  
**Spacing:** 0.9



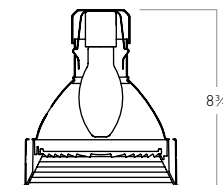
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6                 | 106                 | 3.06              |
| 8                 | 60                  | 1.72              |
| 9                 | 47                  | 1.36              |
| 10                | 38                  | 1.10              |
| 11                | 32                  | 0.91              |

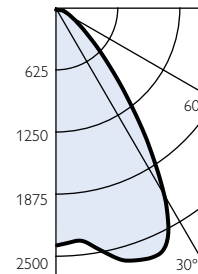
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

## 7" ED17 Fresnel 100W

Reflector trim: C7E17FL **WHW**



**Report:** 2566FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Enclosed  
**Efficiency:** 45.70%  
**Spacing:** 1.1



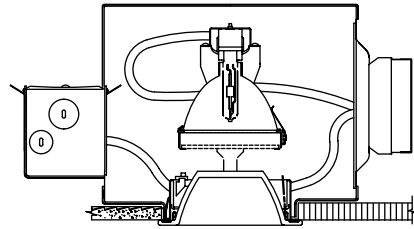
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts** Per Sq Ft |
|-------------------|---------------------|-------------------|
| 6                 | 111                 | 3.06              |
| 8                 | 62                  | 1.72              |
| 9                 | 49                  | 1.36              |
| 10                | 40                  | 1.10              |
| 11                | 33                  | 0.91              |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances  
 \*\*Based on electronic ballast input watts.

# 4 1/2" aperture

## T4.5 metal halide wet location glasslite



Ceiling cutout: 5 1/8"



### How to specify

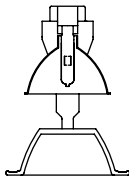
| Trim kit | Upper Reflector  | Frame-in kit |
|----------|--|--------------|
| C4T4GD   | MHT4RF (Flood)<br>MHT4RNF (Narrow Flood)<br>MHT4RNS (Spot) | C4A39T4E1    |

| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Frosted glass         | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |

| Frame-in kits  | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width   |
|----------------|--------|------------|---------------|----------|--------------------------|---------------|---------|
| C4A20T4EU      | Non-IC | Electronic | 120/277V      | T4-G8.5  | 20 (23)                  | 20" – 30"     | 13 7/8" |
| C4A20BT5PGJ5E1 | Non-IC | Electronic | 120V          | T4-GU6.5 | 20 (23)                  | 20" – 30"     | 13 7/8" |
| C4A20T4GU65EU  | Non-IC | Electronic | 120/277V      | T4-PGJ5  | 22 (25)                  | 20" – 30"     | 13 7/8" |
| C4A39T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 13 7/8" |
| C4A39T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 13 7/8" |
| C4A39T4GU65EU  | Non-IC | Electronic | 120/277V      | T4-GU6.5 | 39 (44)                  | 20" – 30"     | 13 7/8" |
| C4A70T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 13 7/8" |
| C4A70T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 13 7/8" |

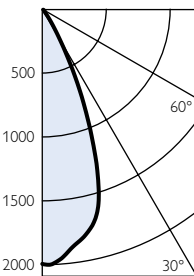
### 4 1/2" T4.5 Flood 39W

**Glass Trim:** C4T4GD + MHT4RF (upper reflector)



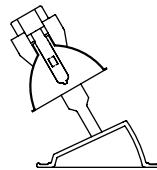
#### Downlight

**Report:** 18679  
**Lamp:** 39W T4.5  
Ceramic MH  
**Spacing:** 0.7



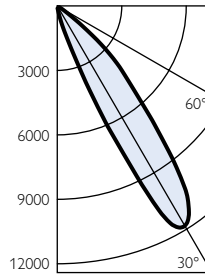
### 4 1/2" T4.5 Narrow flood 39W

**Glass Trim:** C4T4GA + MHT4RNF (upper reflector)



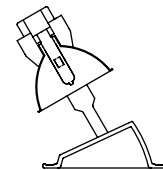
#### Adjustable

**Report:** 18684  
**Lamp:** 39W T4.5  
Ceramic MH  
**Actual beam:** 19°  
**Max. tilt:** 35°



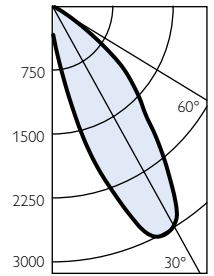
### 4 1/2" T4.5 Flood 39W

**Glass Trim:** C4T4GA + MHT4RF (upper reflector)



#### Adjustable

**Report:** 18687  
**Lamp:** 39W T4.5  
Ceramic MH  
**Actual beam:** 32°  
**Max. tilt:** 35°



Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 32                  | 1.22            |
| 8'                | 18                  | 0.69            |
| 9'                | 14                  | 0.54            |
| 10'               | 12                  | 0.44            |
| 11'               | 10                  | 0.36            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

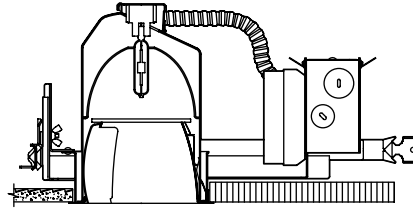
| 30° Aiming angle Horizontal surface |      |     |      |      | 30° Aiming angle Vertical surface |       |     |       |      |
|-------------------------------------|------|-----|------|------|-----------------------------------|-------|-----|-------|------|
| D                                   | C    | FC  | L    | W    | D                                 | C     | FC  | L     | W    |
| 6'                                  | 3.5' | 213 | 2.7' | 2.3' | 2'                                | 3.5'  | 370 | 2.9'  | 1.3' |
| 8'                                  | 4.6' | 120 | 3.6' | 3.1' | 3'                                | 5.2'  | 164 | 4.4'  | 2.0' |
| 10'                                 | 5.8' | 77  | 4.5' | 3.9' | 4'                                | 6.9'  | 92  | 5.8'  | 2.7' |
| 12'                                 | 6.9' | 53  | 5.4' | 4.6' | 6'                                | 10.4' | 41  | 8.8'  | 4.0' |
| 15'                                 | 8.7' | 34  | 6.8' | 5.8' | 8'                                | 13.9' | 23  | 11.7' | 5.4' |

| 30° Aiming angle Horizontal surface |      |    |       |      | 30° Aiming angle Vertical surface |       |    |       |      |
|-------------------------------------|------|----|-------|------|-----------------------------------|-------|----|-------|------|
| D                                   | C    | FC | L     | W    | D                                 | C     | FC | L     | W    |
| 6'                                  | 3.5' | 54 | 4.7'  | 4.0' | 2'                                | 3.5'  | 94 | 6.1'  | 2.3' |
| 8'                                  | 4.6' | 30 | 6.3'  | 5.3' | 3'                                | 5.2'  | 42 | 9.1'  | 3.4' |
| 10'                                 | 5.8' | 19 | 7.9'  | 6.6' | 4'                                | 6.9'  | 23 | 12.2' | 4.6' |
| 12'                                 | 6.9' | 14 | 9.4'  | 7.9' | 6'                                | 10.4' | 10 | 18.3' | 6.9' |
| 15'                                 | 8.7' | 9  | 11.8' | 9.9' | 8'                                | 13.9' | 6  | 24.4' | 9.2' |



# 4 1/2" aperture

T4.5 metal halide open wall wash



Ceiling cutout: 5 1/8"

## How to specify

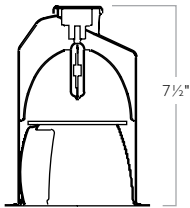
|                  |                   |
|------------------|-------------------|
| Trim kit         | Frame-in kit      |
| C4T4W <b>CLW</b> | C4 <b>20</b> T4EU |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|---------------|--------|------------|---------------|----------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C420T4EU      | Non-IC | Electronic | 120V/277V     | T4-G8.5  | 20 (23)                  | 20" – 30"     | 9 3/16" | Specular clear        | CLW          | CLP                      |
| C420T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 20 (23)                  | 20" – 30"     | 9 3/16" | Comfort clear diffuse | CCDW         | CCDP                     |
| C420BT5PGJ5E1 | Non-IC | Electronic | 120V          | T4-PGJ5  | 22 (25)                  | 20" – 30"     | 9 3/16" |                       |              |                          |
| C439T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 9 3/16" |                       |              |                          |
| C439T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 9 3/16" |                       |              |                          |
| C439T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 39 (44)                  | 20" – 30"     | 9 3/16" |                       |              |                          |
| C470T4E1*     | Non-IC | Electronic | 120V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 9 3/16" |                       |              |                          |
| C470T4E2*     | Non-IC | Electronic | 277V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 9 3/16" |                       |              |                          |

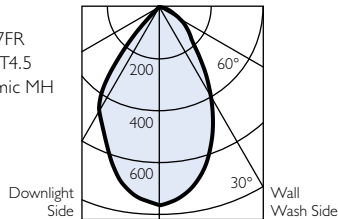
\* See specification sheet for marked spacing requirements.

### 4 1/2" T4.5 20W

Reflector trim: C4T4W **CLW**

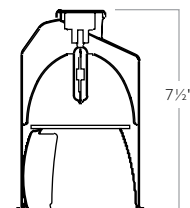


Report: 2427FR  
Lamp: 20W T4.5  
Ceramic MH

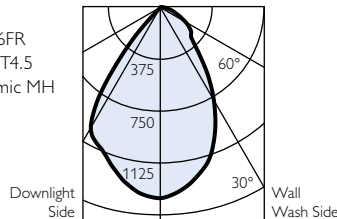


### 4 1/2" T4.5 39W

Reflector trim: C4T4W **CLW**

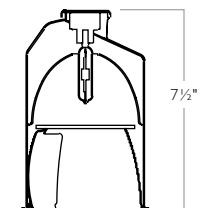


Report: 2426FR  
Lamp: 39W T4.5  
Ceramic MH

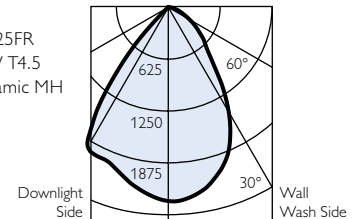


### 4 1/2" T4.5 70W

Reflector trim: C4T4W **CLW**

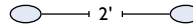


Report: 2425FR  
Lamp: 70W T4.5  
Ceramic MH



#### Multiple units Footcandles on wall

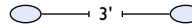
2' from Wall - 2' On Center



| Distance from ceiling in feet | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10  |
|-------------------------------|------|------|------|------|------|------|------|------|------|-----|
|                               | 19.6 | 25.8 | 27.5 | 24.8 | 20.2 | 16.9 | 13.9 | 11.8 | 10.2 | 8.9 |
|                               | 18.2 | 26.7 | 26.7 | 23.8 | 20.1 | 16.8 | 13.7 | 11.7 | 10.1 | 8.9 |
|                               | 19.6 | 25.8 | 27.5 | 24.8 | 20.2 | 16.9 | 13.9 | 11.8 | 10.2 | 8.9 |

#### Multiple units Footcandles on wall

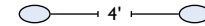
3' from wall - 3' on center



| Distance from ceiling in feet | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                               | 13.6 | 23.4 | 22.4 | 22.5 | 23.5 | 22.1 | 19.9 | 17.8 | 16.0 | 14.4 | 13.2 | 12.1 |
|                               | 13.2 | 22.5 | 22.0 | 22.5 | 22.8 | 21.6 | 19.8 | 17.9 | 16.0 | 14.4 | 13.0 | 12.0 |
|                               | 13.6 | 23.4 | 22.4 | 22.5 | 23.5 | 22.1 | 19.9 | 17.8 | 16.0 | 14.4 | 13.2 | 12.1 |

#### Multiple units Footcandles on wall

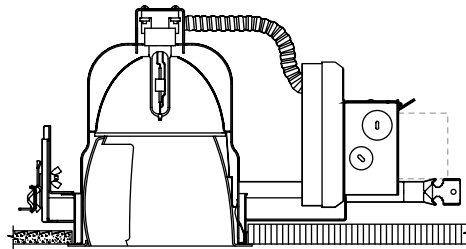
4' from Wall - 4' On Center



| Distance from ceiling in feet | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 12   | 14   |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                               | 15.4 | 29.4 | 32.3 | 32.3 | 33.1 | 31.5 | 28.2 | 24.7 | 21.7 | 19.3 | 15.8 | 13.8 |
|                               | 11.2 | 22.6 | 29.0 | 32.9 | 33.0 | 30.4 | 27.4 | 24.4 | 21.8 | 19.6 | 16.1 | 13.9 |
|                               | 15.4 | 29.4 | 32.3 | 32.3 | 33.1 | 31.5 | 28.2 | 24.7 | 21.7 | 19.3 | 15.8 | 13.8 |

# 6" aperture

## T6 metal halide open wall wash



Ceiling cutout: 6<sup>5</sup>/<sub>16</sub>"



### How to specify

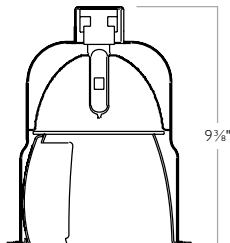
| Trim kit              | Frame-in kit      |                          |
|-----------------------|-------------------|--------------------------|
| C6T6W <b>CLW</b>      | C6 <b>39</b> T6E1 |                          |
| Reflector finish      | White flange      | Aperture-matching flange |
| Specular clear        | CLW               | CLP                      |
| Comfort clear diffuse | CCDW              | CCDP                     |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp (luminaire) | Length (bars) | Width                            |
|---------------|--------|------------|---------------|------|--------------------------|---------------|----------------------------------|
| C639T6E1      | Non-IC | Electronic | 120V          | T6   | 39 (44)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C639T6E2      | Non-IC | Electronic | 277V          | T6   | 39 (44)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C670T6E1      | Non-IC | Electronic | 120V          | T6   | 70 (78)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C670T6E2      | Non-IC | Electronic | 277V          | T6   | 70 (78)                  | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C615T6E1*     | Non-IC | Electronic | 120V          | T6   | 150 (167)                | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C615T6E2*     | Non-IC | Electronic | 277V          | T6   | 150 (167)                | 20" – 30"     | 10 <sup>7</sup> / <sub>8</sub> " |
| C615T6U*      | Non-IC | Magnetic   | 120/277V      | T6   | 150 (180)                | 20" – 30"     | 18 <sup>5</sup> / <sub>8</sub> " |

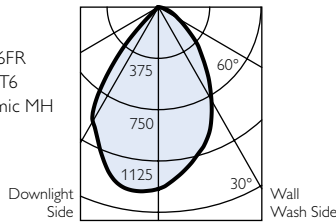
\* See specification sheet for marked spacing requirements.

### 6" T6 39W

Reflector trim: C6T6W **CLW**

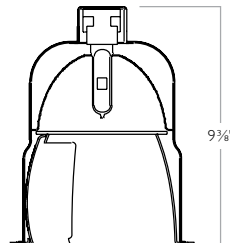


**Report:** 2586FR  
**Lamp:** 39W T6  
Ceramic MH

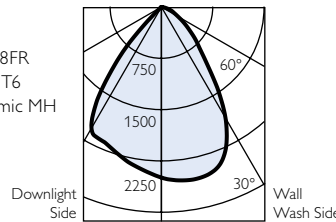


### 6" T6 70W

Reflector trim: C6T6W **CLW**

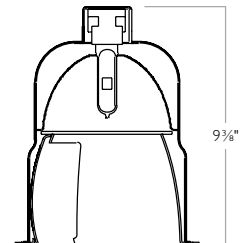


**Report:** 2588FR  
**Lamp:** 70W T6  
Ceramic MH

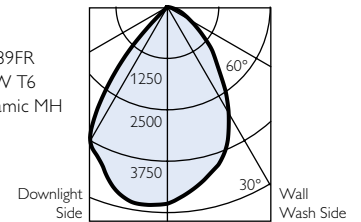


### 6" T6 150W

Reflector trim: C6T6W **CLW**



**Report:** 2589FR  
**Lamp:** 150W T6  
Ceramic MH



#### Multiple units Footcandles on wall

3' from wall - 3' on center

| Distance from ceiling in feet | 1    | 2    | 3    |
|-------------------------------|------|------|------|
| 1                             | 12.1 | 11.0 | 12.1 |
| 2                             | 20.4 | 18.8 | 20.4 |
| 3                             | 24.6 | 23.9 | 24.6 |
| 4                             | 24.6 | 26.2 | 24.6 |
| 5                             | 24.9 | 24.1 | 24.9 |
| 6                             | 22.9 | 21.9 | 22.9 |
| 7                             | 20.2 | 20.0 | 20.2 |
| 8                             | 17.8 | 18.0 | 17.8 |
| 9                             | 16.0 | 16.1 | 16.0 |
| 10                            | 14.4 | 14.4 | 14.4 |
| 11                            | 13.2 | 13.1 | 13.2 |
| 12                            | 12.1 | 12.0 | 12.1 |

#### Multiple units Footcandles on wall

4' from Wall - 4' On Center

| Distance from ceiling in feet | 1    | 2    | 3    |
|-------------------------------|------|------|------|
| 1                             | 17.4 | 12.2 | 17.4 |
| 2                             | 29.6 | 19.7 | 29.6 |
| 3                             | 35.7 | 25.9 | 35.7 |
| 4                             | 37.3 | 33.9 | 37.3 |
| 5                             | 37.8 | 37.5 | 37.8 |
| 6                             | 36.2 | 36.0 | 36.2 |
| 7                             | 32.5 | 32.9 | 32.4 |
| 8                             | 28.4 | 29.3 | 28.4 |
| 9                             | 25.0 | 25.8 | 25.0 |
| 10                            | 22.3 | 23.0 | 22.3 |
| 12                            | 18.4 | 18.7 | 18.4 |
| 14                            | 16.0 | 16.2 | 16.0 |

#### Multiple units Footcandles on wall

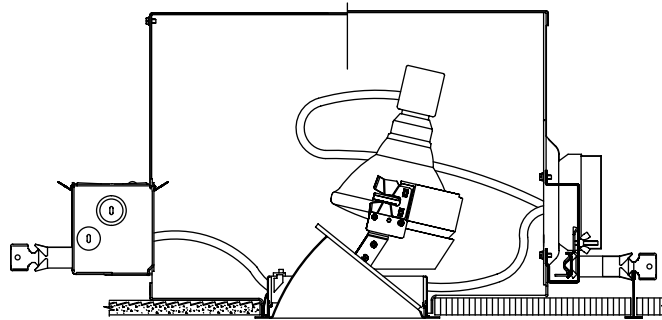
4' from Wall - 4' On Center

| Distance from ceiling in feet | 1    | 2    | 3    |
|-------------------------------|------|------|------|
| 1                             | 18.9 | 16.4 | 18.9 |
| 2                             | 36.3 | 33.5 | 36.3 |
| 3                             | 48.1 | 44.3 | 48.1 |
| 4                             | 53.3 | 52.5 | 53.3 |
| 5                             | 52.6 | 55.7 | 52.6 |
| 6                             | 54.5 | 53.8 | 54.5 |
| 7                             | 53.5 | 51.2 | 53.5 |
| 8                             | 49.6 | 48.2 | 49.6 |
| 9                             | 45.4 | 45.2 | 45.4 |
| 10                            | 41.8 | 42.1 | 41.8 |
| 12                            | 35.8 | 36.1 | 35.8 |
| 14                            | 31.2 | 31.3 | 31.2 |



# 6" aperture

PAR lensed wall wash



Ceiling cutout: 6 1/16"

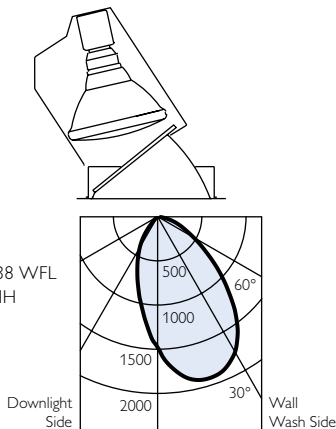
## How to specify

|                     |                     |
|---------------------|---------------------|
| Trim kit            | Frame-in kit        |
| C6P38MHL <b>CLW</b> | C6A <b>70</b> P38E1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C6A70P38E1    | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" | Specular clear        | CLW          | CLP                      |
| C6A70P38E2    | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" | Comfort clear diffuse | CCDW         | CCDP                     |
| C6A10P38E1    | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |                       |              |                          |
| C6A10P38E2    | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |                       |              |                          |

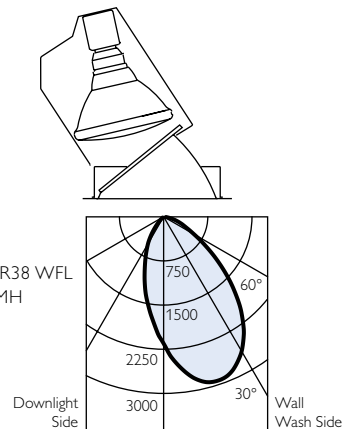
## 6" PAR38 Wide flood 70W

Reflector trim: C6P38MHL **CLW**



## 6" PAR38 Wide flood 100W

Reflector trim: C6P38MHL **CLW**



Multiple units Footcandles on wall

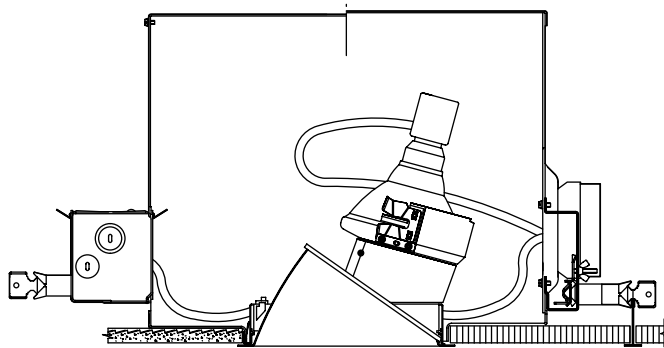
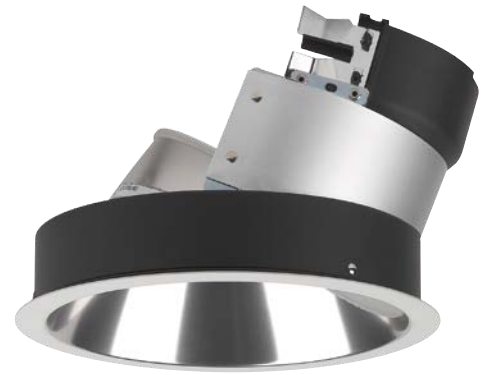
| Distance from ceiling in feet | 3' from wall - 3' on center |      |      |
|-------------------------------|-----------------------------|------|------|
|                               | 1                           | 2    | 3    |
| 1                             | 27.2                        | 19.3 | 27.2 |
| 2                             | 50.8                        | 43.2 | 50.8 |
| 3                             | 62.2                        | 56.1 | 62.2 |
| 4                             | 58.0                        | 54.8 | 58.0 |
| 5                             | 48.5                        | 47.2 | 48.5 |
| 6                             | 39.1                        | 38.4 | 39.1 |
| 7                             | 31.7                        | 31.2 | 31.7 |
| 8                             | 26.3                        | 25.9 | 26.3 |
| 9                             | 22.1                        | 21.8 | 22.1 |
| 10                            | 18.9                        | 18.7 | 18.9 |
| 12                            | 14.6                        | 14.5 | 14.6 |
| 14                            | 12.5                        | 12.4 | 12.5 |

Multiple units Footcandles on wall

| Distance from ceiling in feet | 4' from Wall - 4' On Center |      |      |
|-------------------------------|-----------------------------|------|------|
|                               | 1                           | 2    | 3    |
| 1                             | 27.2                        | 19.3 | 27.2 |
| 2                             | 50.8                        | 43.2 | 50.8 |
| 3                             | 62.2                        | 56.1 | 62.2 |
| 4                             | 58.0                        | 54.8 | 58.0 |
| 5                             | 48.5                        | 47.2 | 48.5 |
| 6                             | 39.1                        | 38.4 | 39.1 |
| 7                             | 31.7                        | 31.2 | 31.7 |
| 8                             | 26.3                        | 25.9 | 26.3 |
| 9                             | 22.1                        | 21.8 | 22.1 |
| 10                            | 18.9                        | 18.7 | 18.9 |
| 12                            | 14.6                        | 14.5 | 14.6 |
| 14                            | 12.5                        | 12.4 | 12.5 |

# 7" aperture

## PAR lensed wall wash



Ceiling cutout: 8"

### How to specify

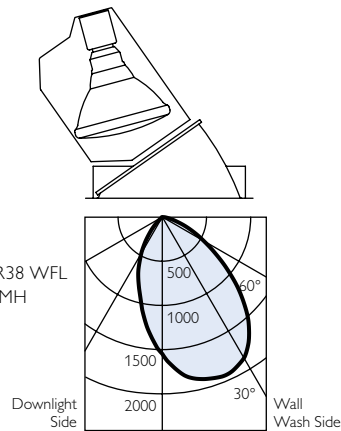
| Trim kit            | Frame-in kit        |
|---------------------|---------------------|
| C7P38MHL <b>CLW</b> | C7A <b>70</b> P38E1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|
| C7A70P38E1    | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C7A70P38E2    | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C7A10P38E1    | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |
| C7A10P38E2    | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |

| Reflector finish      | White flange | Aperture-matching flange |
|-----------------------|--------------|--------------------------|
| Specular clear        | CLW          | CLP                      |
| Comfort clear diffuse | CCDW         | CCDP                     |

### 7" PAR38 Wide flood 70W

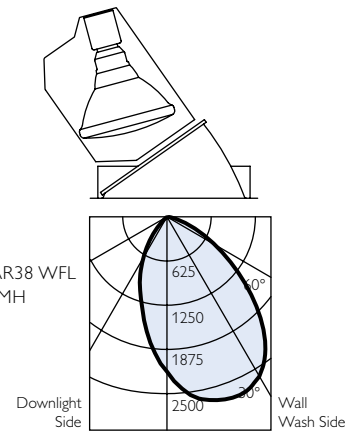
Reflector trim: C7P38MHL **CLW**



**Report:** 2590FR  
**Lamp:** 70W PAR38 WFL  
 Ceramic MH

### 7" PAR38 Wide flood 100W

Reflector trim: C7P38MHL **CLW**



**Report:** 2465FR  
**Lamp:** 100W PAR38 WFL  
 Ceramic MH

Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |      |      |
|-------------------------------|-----------------------------|------|------|
|                               | 1                           | 2    | 3    |
| 1                             | 26.7                        | 20.9 | 26.7 |
| 2                             | 62.0                        | 54.0 | 62.0 |
| 3                             | 75.3                        | 68.3 | 75.3 |
| 4                             | 67.9                        | 65.2 | 67.9 |
| 5                             | 55.9                        | 55.1 | 55.9 |
| 6                             | 44.8                        | 44.4 | 44.8 |
| 7                             | 36.2                        | 35.9 | 36.2 |
| 8                             | 29.8                        | 29.6 | 29.8 |
| 9                             | 25.0                        | 24.9 | 25.0 |
| 10                            | 21.4                        | 21.3 | 21.4 |
| 12                            | 16.6                        | 16.5 | 16.6 |
| 14                            | 14.2                        | 14.1 | 14.2 |

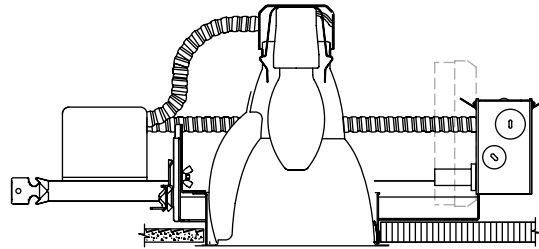
Multiple units Footcandles on wall

| Distance from ceiling in feet | 4' from Wall - 4' On Center |      |      |
|-------------------------------|-----------------------------|------|------|
|                               | 1                           | 2    | 3    |
| 1                             | 13.8                        | 11.1 | 13.8 |
| 2                             | 36.1                        | 31.0 | 36.1 |
| 3                             | 54.5                        | 47.4 | 54.5 |
| 4                             | 60.5                        | 55.1 | 60.5 |
| 5                             | 57.0                        | 54.4 | 57.0 |
| 6                             | 50.0                        | 49.0 | 50.0 |
| 7                             | 42.8                        | 42.4 | 42.8 |
| 8                             | 36.3                        | 36.0 | 36.3 |
| 9                             | 30.8                        | 30.7 | 30.8 |
| 10                            | 26.5                        | 26.5 | 26.5 |
| 12                            | 20.4                        | 20.4 | 20.4 |
| 14                            | 16.9                        | 16.9 | 16.9 |



# 6" aperture

ED17 metal halide open wall wash



Ceiling cutout: 6 9/16"

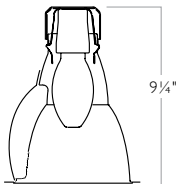
## How to specify

|                    |                    |
|--------------------|--------------------|
| Trim kit           | Frame-in kit       |
| C6E17OW <b>CLW</b> | C6 <b>70</b> MHOE1 |

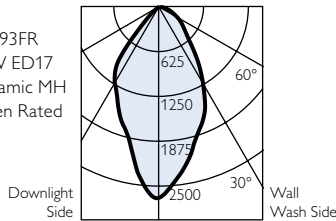
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp              | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|---------------|--------|------------|---------------|-------------------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C670MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" | Specular clear        | CLW          | CLP                      |
| C670MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" | Comfort clear diffuse | CCDW         | CCDP                     |
| C670MHU       | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 70 (94)                  | 20" – 30"     | 18 5/8" |                       |              |                          |
| C610MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                          |
| C610MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |                       |              |                          |
| C6110MHU      | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 100 (125)                | 20" – 30"     | 18 5/8" |                       |              |                          |

## 6" ED17 Open rated 70W

Reflector trim: C6E17OW **CLW**



**Report:** 2393FR  
**Lamp:** 70W ED17  
 Ceramic MH  
 Open Rated

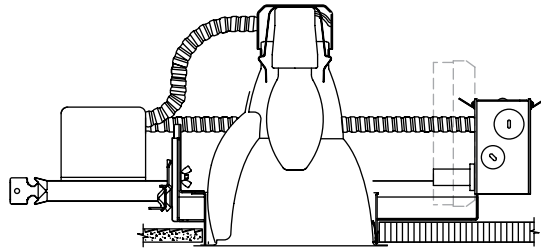


### Multiple units Footcandles on wall

| 3' from wall - 3' on center   |    |      |      |      |
|-------------------------------|----|------|------|------|
|                               |    |      |      |      |
| Distance from ceiling in feet | 1  | 19.9 | 14.8 | 19.9 |
|                               | 2  | 29.8 | 23.8 | 29.8 |
|                               | 3  | 29.4 | 24.1 | 29.4 |
|                               | 4  | 28.1 | 24.6 | 28.1 |
|                               | 5  | 26.1 | 24.5 | 26.1 |
|                               | 6  | 23.2 | 21.8 | 23.2 |
|                               | 7  | 20.1 | 19.5 | 20.1 |
|                               | 8  | 17.5 | 17.5 | 17.5 |
|                               | 9  | 15.4 | 15.6 | 15.4 |
|                               | 10 | 13.8 | 13.9 | 13.7 |
|                               | 12 | 11.4 | 11.4 | 11.4 |
|                               | 14 | 10.2 | 10.0 | 10.2 |

# 7" aperture

## ED17 metal halide open wall wash



Ceiling cutout: 8"



### How to specify

|                    |                    |
|--------------------|--------------------|
| Trim kit           | Frame-in kit       |
| C7E17OW <b>CLW</b> | C7 <b>70</b> MHOE1 |

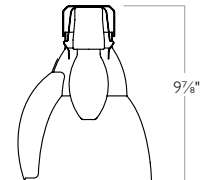
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp              | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|-------------------|--------------------------|---------------|---------|
| C770MHOE1     | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" |
| C770MHOE2     | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 70 (78)                  | 20" – 30"     | 10 7/8" |
| C770MHOU      | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 70 (94)                  | 20" – 30"     | 18 5/8" |
| C710MHOE1*    | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |
| C710MHOE2*    | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 100 (110)                | 20" – 30"     | 10 7/8" |
| C710MHOU      | Non-IC | Magnetic   | 120/277V      | ED17 (Open-rated) | 100 (125)                | 20" – 30"     | 18 5/8" |
| C715MHOE1*    | Non-IC | Electronic | 120V          | ED17 (Open-rated) | 150 (167)                | 20" – 30"     | 10 7/8" |
| C715MHOE2*    | Non-IC | Electronic | 277V          | ED17 (Open-rated) | 150 (167)                | 20" – 30"     | 10 7/8" |

\* See specification sheet for marked spacing requirements.

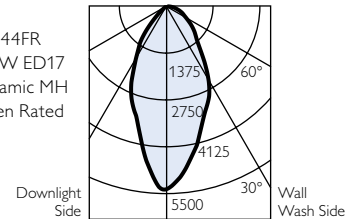
| Reflector finish      | White flange | Aperture-matching flange |
|-----------------------|--------------|--------------------------|
| Specular clear        | CLW          | CLP                      |
| Comfort clear diffuse | CCDW         | CCDP                     |

### 6" ED17 Open rated 100W

Reflector trim: C7E17OW **CLW**



**Report:** 2344FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Open Rated

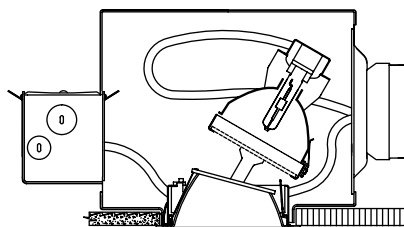


#### Multiple units Footcandles on wall

| 3' from wall - 3' on center   |      |      |      |
|-------------------------------|------|------|------|
| ○ — 3' — ○                    |      |      |      |
| Distance from ceiling in feet | 1    | 2    | 3    |
| 1                             | 25.8 | 22.6 | 25.8 |
| 2                             | 37.5 | 35.2 | 37.5 |
| 3                             | 43.4 | 39.7 | 43.4 |
| 4                             | 41.4 | 39.8 | 41.4 |
| 5                             | 38.9 | 37.1 | 38.9 |
| 6                             | 38.4 | 34.9 | 38.4 |
| 7                             | 36.5 | 33.9 | 36.5 |
| 8                             | 33.5 | 32.3 | 33.5 |
| 9                             | 30.7 | 30.0 | 30.7 |
| 10                            | 28.3 | 27.7 | 28.3 |
| 12                            | 24.4 | 23.8 | 24.4 |
| 14                            | 21.6 | 21.2 | 21.6 |

# 4 1/2" aperture

## T4.5 metal halide adjustable accent



Ceiling cutout: 5 1/8"

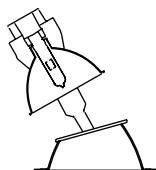
### How to specify

| Trim kit         | Upper Reflector  | Frame-in kit       |
|------------------|--|--------------------|
| C4T4A <b>CLW</b> | MHT4RF (Flood)<br>MHT4RNF (Narrow Flood)<br>MHT4RNS (Spot) | C4A <b>20</b> T4EU |

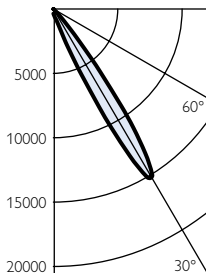
| Frame-in kits  | Type   | Ballast    | Input voltage | Lamp     | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|----------------|--------|------------|---------------|----------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C4A20T4EU      | Non-IC | Electronic | 120V/277V     | T4-G8.5  | 20 (23)                  | 20" – 30"     | 13 7/8" | Specular clear        | CLW          | CLP                      |
| C4A20T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 20 (23)                  | 20" – 30"     | 13 7/8" | Comfort clear diffuse | CCDW         | CCDP                     |
| C4A20BT5PGJ5E1 | Non-IC | Electronic | 120V          | T4-PGJ5  | 22 (25)                  | 20" – 30"     | 13 7/8" |                       |              |                          |
| C4A39T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 13 7/8" |                       |              |                          |
| C4A39T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 39 (44)                  | 20" – 30"     | 13 7/8" |                       |              |                          |
| C4A39T4GU65EU  | Non-IC | Electronic | 120V/277V     | T4-GU6.5 | 39 (44)                  | 20" – 30"     | 13 7/8" |                       |              |                          |
| C4A70T4E1      | Non-IC | Electronic | 120V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 13 7/8" |                       |              |                          |
| C4A70T4E2      | Non-IC | Electronic | 277V          | T4-G8.5  | 70 (78)                  | 20" – 30"     | 13 7/8" |                       |              |                          |

### 4 1/2" T4.5 Spot 39W

Trim: C4T4A **CLW** + MHT4RS (upper reflector)



**Report:** 2350FR  
**Lamp:** 39W T4.5  
Ceramic MH  
**Actual beam:** 12°  
**Max. tilt:** 35°



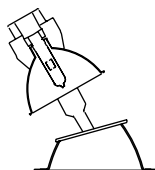
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

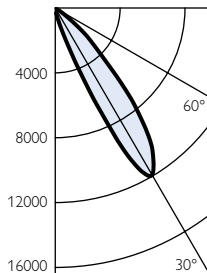
| D   | C     | FC  | L    | W    | D   | C     | FC  | L     | W    |
|-----|-------|-----|------|------|-----|-------|-----|-------|------|
| 8'  | 4.6'  | 154 | 2.3' | 1.9' | 3'  | 5.2'  | 210 | 2.6'  | 1.3' |
| 10' | 5.8'  | 98  | 2.8' | 2.4' | 4'  | 6.9'  | 118 | 3.5'  | 1.7' |
| 12' | 6.9'  | 68  | 3.4' | 2.9' | 6'  | 10.4' | 53  | 5.2'  | 2.5' |
| 15' | 8.7'  | 44  | 4.2' | 3.6' | 8'  | 13.9' | 30  | 7.0'  | 3.4' |
| 20' | 11.5' | 25  | 5.6' | 4.9' | 12' | 20.8' | 13  | 10.4' | 5.0' |

### 4 1/2" T4.5 Narrow flood 39W

Trim: C4T4A **CLW** + MHT4RNF (upper reflector)



**Report:** 2349FR  
**Lamp:** 39W T4.5  
Ceramic MH  
**Actual beam:** 19°  
**Max. tilt:** 35°



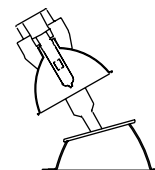
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

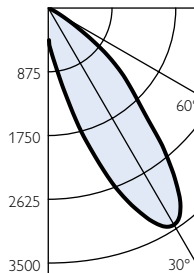
| D   | C    | FC  | L    | W    | D  | C     | FC  | L     | W    |
|-----|------|-----|------|------|----|-------|-----|-------|------|
| 6'  | 3.5' | 201 | 2.7' | 2.3' | 2' | 3.5'  | 349 | 2.9'  | 1.3' |
| 8'  | 4.6' | 113 | 3.6' | 3.1' | 3' | 5.2'  | 155 | 4.4'  | 2.0' |
| 10' | 5.8' | 72  | 4.5' | 3.9' | 4' | 6.9'  | 87  | 5.8'  | 2.7' |
| 12' | 6.9' | 50  | 5.4' | 4.6' | 6' | 10.4' | 39  | 8.8'  | 4.0' |
| 15' | 8.7' | 32  | 6.8' | 5.8' | 8' | 13.9' | 22  | 11.7' | 5.4' |

### 4 1/2" T4.5 Flood 39W

Trim: C4T4A **CLW** + MHT4RF (upper reflector)



**Report:** 2348FR  
**Lamp:** 39W T4.5  
Ceramic MH  
**Actual beam:** 30°  
**Max. tilt:** 35°



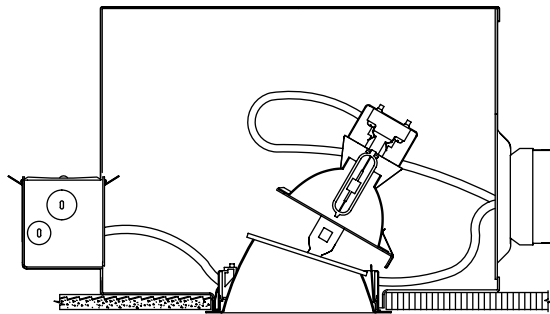
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

| D   | C    | FC | L     | W    | D  | C     | FC  | L     | W    |
|-----|------|----|-------|------|----|-------|-----|-------|------|
| 6'  | 3.5' | 62 | 4.4'  | 3.7' | 2' | 3.5'  | 107 | 5.5'  | 2.1' |
| 8'  | 4.6' | 35 | 5.9'  | 5.0' | 3' | 5.2'  | 48  | 8.2'  | 3.2' |
| 10' | 5.8' | 22 | 7.3'  | 6.2' | 4' | 6.9'  | 27  | 10.9' | 4.3' |
| 12' | 6.9' | 16 | 8.8'  | 7.4' | 6' | 10.4' | 12  | 16.4' | 6.4' |
| 15' | 8.7' | 10 | 11.0' | 9.3' | 8' | 13.9' | 7   | 21.9' | 8.6' |

# 6" aperture

## T6 metal halide adjustable accent



Ceiling cutout: 6 1/8"



### How to specify

| Trim kit         | Upper Reflector  | Frame-in kit       |
|------------------|--|--------------------|
| C6T6A <b>CLW</b> | MHT4RF (Flood)<br>MHT4RNF (Narrow Flood)<br>MHT4RNS (Spot) | C6A <b>39</b> T6E1 |

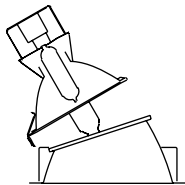
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|------|--------------------------|---------------|---------|
| C6A39T6E1     | Non-IC | Electronic | 120V          | T6   | 39 (44)                  | 20" – 30"     | 19 1/8" |
| C6A39T6E2     | Non-IC | Electronic | 277V          | T6   | 39 (44)                  | 20" – 30"     | 19 1/8" |
| C6A70T6E1     | Non-IC | Electronic | 120V          | T6   | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C6A70T6E2     | Non-IC | Electronic | 277V          | T6   | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C6A15T6E1*    | Non-IC | Electronic | 120V          | T6   | 150 (167)                | 20" – 30"     | 19 1/8" |

| Reflector finish      | White flange | Aperture-matching flange |
|-----------------------|--------------|--------------------------|
| Specular clear        | CLW          | CLP                      |
| Comfort clear diffuse | CCDW         | CCDP                     |

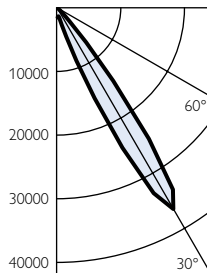
\* See specification sheet for marked spacing requirements.

### 6" T6 Spot 70W

Trim: C6T6A **CLW** + MHT6RS (upper reflector)



**Report:** 2602FR  
**Lamp:** 70W T6  
Ceramic MH  
**Actual beam:** 14°  
**Max. tilt:** 40°



30° Aiming angle  
Horizontal surface

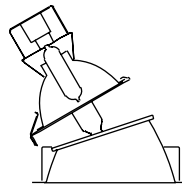
| D   | C     | FC  | L    | W    |
|-----|-------|-----|------|------|
| 8'  | 4.6'  | 370 | 2.6' | 2.3' |
| 10' | 5.8'  | 237 | 3.3' | 2.8' |
| 12' | 6.9'  | 165 | 3.9' | 3.4' |
| 15' | 8.7'  | 105 | 4.9' | 4.3' |
| 20' | 11.5' | 59  | 6.6' | 5.7' |

30° Aiming angle  
Vertical surface

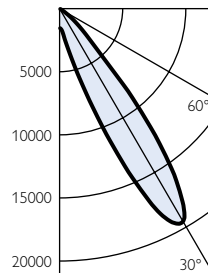
| D   | C     | FC  | L     | W    |
|-----|-------|-----|-------|------|
| 3'  | 5.2'  | 507 | 3.1'  | 1.5' |
| 4'  | 6.9'  | 285 | 4.1'  | 2.0' |
| 6'  | 10.4' | 127 | 6.2'  | 2.9' |
| 8'  | 13.9' | 71  | 8.2'  | 3.9' |
| 12' | 20.8' | 32  | 12.3' | 5.9' |

### 6" T6 Narrow flood 70W

Trim: C6T6A **CLW** + MHT6RNF (upper reflector)



**Report:** 2526FR  
**Lamp:** 70W T6  
Ceramic MH  
**Actual beam:** 19°  
**Max. tilt:** 40°



30° Aiming angle  
Horizontal surface

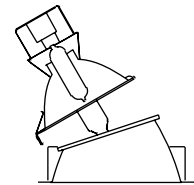
| D   | C     | FC  | L    | W    |
|-----|-------|-----|------|------|
| 8'  | 4.6'  | 182 | 3.6' | 3.1' |
| 10' | 5.8'  | 117 | 4.5' | 3.9' |
| 12' | 6.9'  | 81  | 5.4' | 4.6' |
| 15' | 8.7'  | 52  | 6.8' | 5.8' |
| 20' | 11.5' | 29  | 9.0' | 7.7' |

30° Aiming angle  
Vertical surface

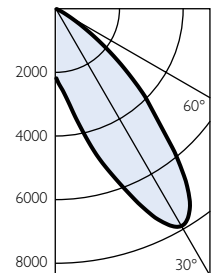
| D   | C     | FC  | L     | W    |
|-----|-------|-----|-------|------|
| 3'  | 5.2'  | 250 | 4.4'  | 2.0' |
| 4'  | 6.9'  | 140 | 5.8'  | 2.7' |
| 6'  | 10.4' | 62  | 8.8'  | 4.0' |
| 8'  | 13.9' | 35  | 11.7' | 5.4' |
| 12' | 20.8' | 16  | 17.5' | 8.0' |

### 6" T6 Flood 70W

Trim: C6T6A **CLW** + MHT6RF (upper reflector)



**Report:** 2527FR  
**Lamp:** 70W T6  
Ceramic MH  
**Actual beam:** 33°  
**Max. tilt:** 40°



30° Aiming angle  
Horizontal surface

| D   | C     | FC | L     | W     |
|-----|-------|----|-------|-------|
| 8'  | 4.6'  | 73 | 6.5'  | 5.5'  |
| 10' | 5.8'  | 47 | 8.1'  | 6.8'  |
| 12' | 6.9'  | 33 | 9.8'  | 8.2'  |
| 15' | 8.7'  | 21 | 12.2' | 10.3' |
| 20' | 11.5' | 12 | 16.3' | 13.7' |

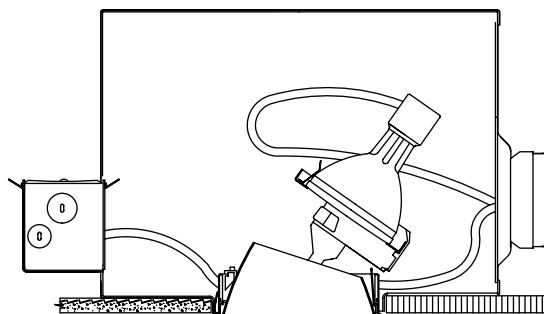
30° Aiming angle  
Vertical surface

| D   | C     | FC  | L     | W     |
|-----|-------|-----|-------|-------|
| 3'  | 5.2'  | 100 | 9.6'  | 3.6'  |
| 4'  | 6.9'  | 56  | 12.9' | 4.7'  |
| 6'  | 10.4' | 25  | 19.3' | 7.1'  |
| 8'  | 13.9' | 14  | 25.7' | 9.5'  |
| 12' | 20.8' | 6   | 38.6' | 14.2' |



# 6" aperture

PAR metal halide adjustable accent



## How to specify

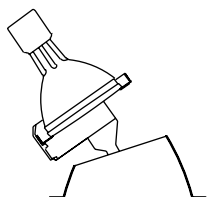
|                     |                     |
|---------------------|---------------------|
| Trim kit            | Frame-in kit        |
| C6P30MHA <b>CLW</b> | C6A <b>39</b> P30E1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C6A39P30E1    | Non-IC | Electronic | 120V          | PAR30 | 39 (44)                  | 20" – 30"     | 19 1/8" | Specular clear        | CLW          | CLP                      |
| C6A39P30E2    | Non-IC | Electronic | 277V          | PAR30 | 39 (44)                  | 20" – 30"     | 19 1/8" | Comfort clear diffuse | CCDW         | CCDP                     |
| C6A70P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |                       |              |                          |
| C6A70P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |                       |              |                          |

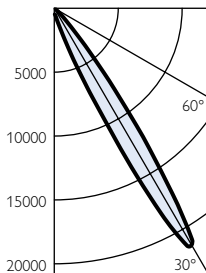
\* See specification sheet for marked spacing requirements.

## 6" PAR30 Spot 39W

Reflector trim: C6P30MHA **CLW**



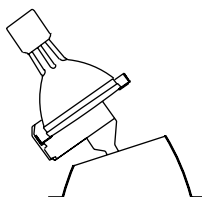
**Report:** 2500FR  
**Lamp:** 39W PAR30 SP  
 Ceramic MH  
**Actual beam:** 11°  
**Max. tilt:** 40°



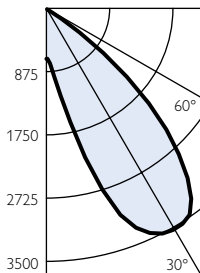
| 30° Aiming angle Horizontal surface |      |     |      |      | 30° Aiming angle Vertical surface |       |     |      |      |
|-------------------------------------|------|-----|------|------|-----------------------------------|-------|-----|------|------|
| D                                   | C    | FC  | L    | W    | D                                 | C     | FC  | L    | W    |
| 6'                                  | 3.5' | 387 | 1.5' | 1.3' | 2'                                | 3.5'  | 670 | 1.6' | 0.8' |
| 8'                                  | 4.6' | 217 | 2.1' | 1.8' | 3'                                | 5.2'  | 298 | 2.4' | 1.2' |
| 10'                                 | 5.8' | 139 | 2.6' | 2.2' | 4'                                | 6.9'  | 167 | 3.2' | 1.5' |
| 12'                                 | 6.9' | 97  | 3.1' | 2.7' | 6'                                | 10.4' | 74  | 4.8' | 2.3' |
| 15'                                 | 8.7' | 62  | 3.9' | 3.3' | 8'                                | 13.9' | 42  | 6.3' | 3.1' |

## 6" PAR30 Flood 39W

Reflector trim: C6P30MHA **CLW**



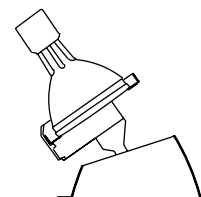
**Report:** 2499FR  
**Lamp:** 39W PAR30 FL  
 Ceramic MH  
**Actual beam:** 35°  
**Max. tilt:** 40°



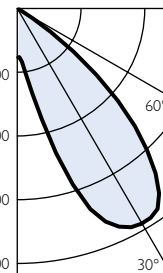
| 30° Aiming angle Horizontal surface |       |    |       |       | 30° Aiming angle Vertical surface |       |    |       |       |
|-------------------------------------|-------|----|-------|-------|-----------------------------------|-------|----|-------|-------|
| D                                   | C     | FC | L     | W     | D                                 | C     | FC | L     | W     |
| 8'                                  | 4.6'  | 36 | 7.0'  | 5.8'  | 3'                                | 5.2'  | 49 | 10.8' | 3.8'  |
| 10'                                 | 5.8'  | 23 | 8.7'  | 7.3'  | 4'                                | 6.9'  | 28 | 14.4' | 5.0'  |
| 12'                                 | 6.9'  | 16 | 10.4' | 8.7'  | 6'                                | 10.4' | 12 | 21.6' | 7.6'  |
| 15'                                 | 8.7'  | 10 | 13.0' | 10.9' | 8'                                | 13.9' | 7  | 28.8' | 10.1' |
| 20'                                 | 11.5' | 6  | 17.4' | 14.6' | 12'                               | 20.8' | 3  | 43.1' | 15.1' |

## 6" PAR30 Flood 70W

Reflector trim: C6P30MHA **CLW**



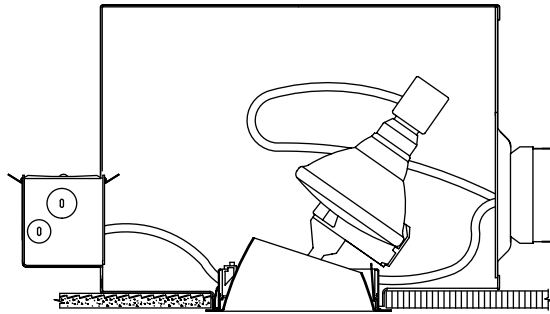
**Report:** 2498FR  
**Lamp:** 70W PAR30 FL  
 Ceramic MH  
**Actual beam:** 35°  
**Max. tilt:** 40°



| 30° Aiming angle Horizontal surface |       |    |       |       | 30° Aiming angle Vertical surface |       |     |       |       |
|-------------------------------------|-------|----|-------|-------|-----------------------------------|-------|-----|-------|-------|
| D                                   | C     | FC | L     | W     | D                                 | C     | FC  | L     | W     |
| 8'                                  | 4.6'  | 79 | 7.0'  | 5.8'  | 3'                                | 5.2'  | 108 | 10.8' | 3.8'  |
| 10'                                 | 5.8'  | 51 | 8.7'  | 7.3'  | 4'                                | 6.9'  | 61  | 14.4' | 5.0'  |
| 12'                                 | 6.9'  | 35 | 10.4' | 8.7'  | 6'                                | 10.4' | 27  | 21.6' | 7.6'  |
| 15'                                 | 8.7'  | 23 | 13.0' | 10.9' | 8'                                | 13.9' | 15  | 28.8' | 10.1' |
| 20'                                 | 11.5' | 13 | 17.4' | 14.6' | 12'                               | 20.8' | 7   | 43.1' | 15.1' |

# 6" aperture

PAR metal halide adjustable accent



Ceiling cutout: 6 1/16"



## How to specify

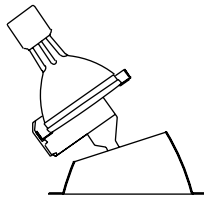
|                     |                     |
|---------------------|---------------------|
| Trim kit            | Frame-in kit        |
| C6P38MHA <b>CLW</b> | C6A <b>70</b> P38E1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|
| C6A70P38E1    | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C6A70P38E2    | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C6A10P38E1    | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |
| C6A10P38E2    | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |

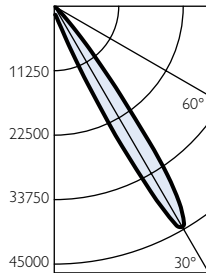
| Reflector finish      | White flange | Aperture-matching flange |
|-----------------------|--------------|--------------------------|
| Specular clear        | CLW          | CLP                      |
| Comfort clear diffuse | CCDW         | CCDP                     |

## 6" PAR38 Spot 70W

Reflector trim: C6P38MHA **CLW**



**Report:** 2502FR  
**Lamp:** 70W PAR38 SP  
 Ceramic MH  
**Actual beam:** 12°  
**Max. tilt:** 40°

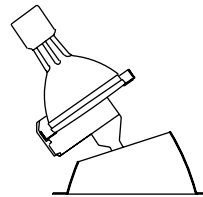


| 30° Aiming angle Horizontal surface |   |    |   |   | 30° Aiming angle Vertical surface |   |    |   |   |
|-------------------------------------|---|----|---|---|-----------------------------------|---|----|---|---|
| D                                   | C | FC | L | W | D                                 | C | FC | L | W |

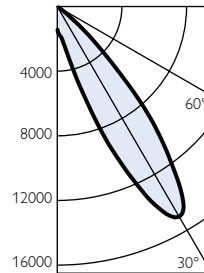
|     |      |     |      |      |    |       |      |      |      |
|-----|------|-----|------|------|----|-------|------|------|------|
| 6'  | 3.5' | 802 | 1.7' | 1.5' | 2' | 3.5'  | 1390 | 1.7' | 0.8' |
| 8'  | 4.6' | 451 | 2.3' | 1.9' | 3' | 5.2'  | 618  | 2.6' | 1.3' |
| 10' | 5.8' | 289 | 2.8' | 2.4' | 4' | 6.9'  | 347  | 3.5' | 1.7' |
| 12' | 6.9' | 201 | 3.4' | 2.9' | 6' | 10.4' | 154  | 5.2' | 2.5' |
| 15' | 8.7' | 128 | 4.2' | 3.6' | 8' | 13.9' | 87   | 7.0' | 3.4' |

## 6" PAR38 Flood 70W

Reflector trim: C6P38MHA **CLW**



**Report:** 2501FR  
**Lamp:** 70W PAR38 FL  
 Ceramic MH  
**Actual beam:** 23°  
**Max. tilt:** 40°

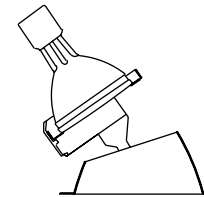


| 30° Aiming angle Horizontal surface |   |    |   |   | 30° Aiming angle Vertical surface |   |    |   |   |
|-------------------------------------|---|----|---|---|-----------------------------------|---|----|---|---|
| D                                   | C | FC | L | W | D                                 | C | FC | L | W |

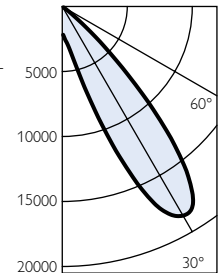
|     |       |     |       |      |     |       |     |       |      |
|-----|-------|-----|-------|------|-----|-------|-----|-------|------|
| 8'  | 4.6'  | 152 | 4.4'  | 3.8' | 3'  | 5.2'  | 209 | 5.6'  | 2.4' |
| 10' | 5.8'  | 98  | 5.5'  | 4.7' | 4'  | 6.9'  | 117 | 7.4'  | 3.3' |
| 12' | 6.9'  | 68  | 6.6'  | 5.6' | 6'  | 10.4' | 52  | 11.2' | 4.9' |
| 15' | 8.7'  | 43  | 8.3'  | 7.0' | 8'  | 13.9' | 29  | 14.9' | 6.5' |
| 20' | 11.5' | 24  | 11.0' | 9.4' | 12' | 20.8' | 13  | 22.3' | 9.8' |

## 6" PAR38 Flood 100W

Reflector trim: C6P38MHA **CLW**



**Report:** 2503FR  
**Lamp:** 100W PAR38 FL  
 Ceramic MH  
**Actual beam:** 24°  
**Max. tilt:** 40°



| 30° Aiming angle Horizontal surface |   |    |   |   | 30° Aiming angle Vertical surface |   |    |   |   |
|-------------------------------------|---|----|---|---|-----------------------------------|---|----|---|---|
| D                                   | C | FC | L | W | D                                 | C | FC | L | W |

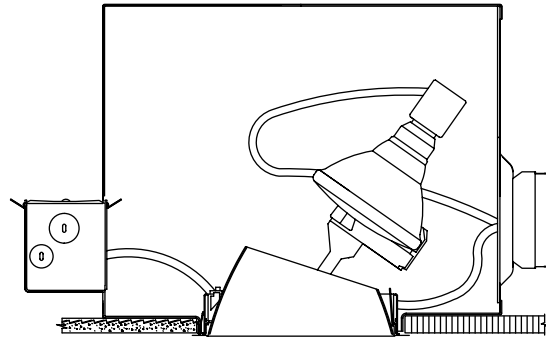
|     |       |     |       |      |     |       |     |       |       |
|-----|-------|-----|-------|------|-----|-------|-----|-------|-------|
| 8'  | 4.6'  | 189 | 4.6'  | 3.9' | 3'  | 5.2'  | 258 | 5.9'  | 2.6'  |
| 10' | 5.8'  | 121 | 5.8'  | 4.9' | 4'  | 6.9'  | 145 | 7.9'  | 3.4'  |
| 12' | 6.9'  | 84  | 6.9'  | 5.9' | 6'  | 10.4' | 64  | 11.8' | 5.1'  |
| 15' | 8.7'  | 54  | 8.6'  | 7.4' | 8'  | 13.9' | 36  | 15.7' | 6.8'  |
| 20' | 11.5' | 30  | 11.5' | 9.8' | 12' | 20.8' | 16  | 23.6' | 10.2' |





# 7" aperture

PAR Metal halide adjustable accent



Ceiling cutout: 8"

## How to specify

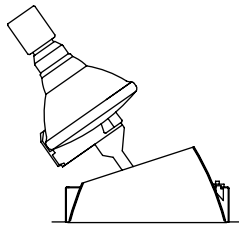
|                     |                     |
|---------------------|---------------------|
| Trim kit            | Frame-in kit        |
| C7P38MHA <b>CLW</b> | C7A <b>70</b> P38E1 |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   | Reflector finish      | White flange | Aperture-matching flange |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|-----------------------|--------------|--------------------------|
| C7A70P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" | Specular clear        | CLW          | CLP                      |
| C7A70P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" | Comfort clear diffuse | CCDW         | CCDP                     |
| C7A10P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |                       |              |                          |
| C7A10P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |                       |              |                          |
| C7A15P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 150 (167)                | 20" – 30"     | 19 1/8" |                       |              |                          |
| C7A15P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 150 (167)                | 20" – 30"     | 19 1/8" |                       |              |                          |

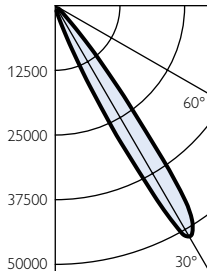
\* See specification sheet for marked spacing requirements.

## 7" PAR38 Spot 70W

Reflector trim: C7P38MHA **CLW**



**Report:** 2485FR  
**Lamp:** 70W PAR38 SP  
 CMH  
**Actual beam:** 12°  
**Max. tilt:** 45°



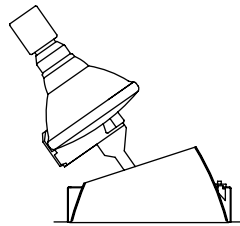
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

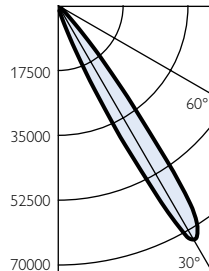
| D   | C    | FC  | L    | W    | D  | C     | FC   | L    | W    |
|-----|------|-----|------|------|----|-------|------|------|------|
| 6'  | 3.5' | 929 | 1.7' | 1.5' | 2' | 3.5'  | 1610 | 1.7' | 0.8' |
| 8'  | 4.6' | 523 | 2.3' | 1.9' | 3' | 5.2'  | 716  | 2.6' | 1.3' |
| 10' | 5.8' | 335 | 2.8' | 2.4' | 4' | 6.9'  | 402  | 3.5' | 1.7' |
| 12' | 6.9' | 232 | 3.4' | 2.9' | 6' | 10.4' | 179  | 5.2' | 2.5' |
| 15' | 8.7' | 149 | 4.2' | 3.6' | 8' | 13.9' | 101  | 7.0' | 3.4' |

## 7" PAR38 Spot 100W

Reflector trim: C7P38MHA **CLW**



**Report:** 2488FR  
**Lamp:** 100W PAR38 SP  
 CMH  
**Actual beam:** 12°  
**Max. tilt:** 45°



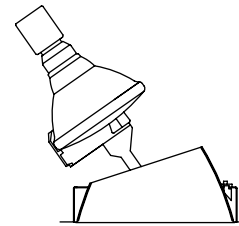
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

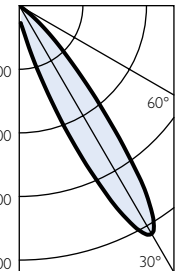
| D   | C     | FC  | L    | W    | D   | C     | FC   | L     | W    |
|-----|-------|-----|------|------|-----|-------|------|-------|------|
| 8'  | 4.6'  | 740 | 2.3' | 1.9' | 3'  | 5.2'  | 1012 | 2.6'  | 1.3' |
| 10' | 5.8'  | 473 | 2.8' | 2.4' | 4'  | 6.9'  | 570  | 3.5'  | 1.7' |
| 12' | 6.9'  | 329 | 3.4' | 2.9' | 6'  | 10.4' | 253  | 5.2'  | 2.5' |
| 15' | 8.7'  | 210 | 4.2' | 3.6' | 8'  | 13.9' | 142  | 7.0'  | 3.4' |
| 20' | 11.5' | 118 | 5.6' | 4.9' | 12' | 20.8' | 63   | 10.4' | 5.0' |

## 7" PAR38 Spot 150W

Reflector trim: C7P38MHA **CLW**



**Report:** 2583FR  
**Lamp:** 150W PAR38 SP  
 CMH  
**Actual beam:** 18°  
**Max. tilt:** 45°



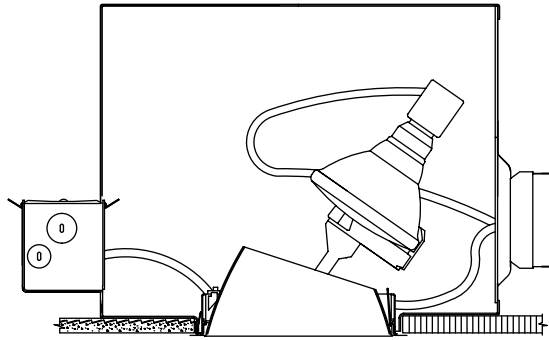
30° Aiming angle  
Horizontal surface

30° Aiming angle  
Vertical surface

| D   | C     | FC  | L    | W    | D   | C     | FC  | L     | W    |
|-----|-------|-----|------|------|-----|-------|-----|-------|------|
| 8'  | 4.6'  | 421 | 3.4' | 2.9' | 3'  | 5.2'  | 576 | 4.1'  | 1.9' |
| 10' | 5.8'  | 269 | 4.3' | 3.7' | 4'  | 6.9'  | 324 | 5.5'  | 2.5' |
| 12' | 6.9'  | 187 | 5.1' | 4.4' | 6'  | 10.4' | 144 | 8.2'  | 3.8' |
| 15' | 8.7'  | 120 | 6.4' | 5.5' | 8'  | 13.9' | 81  | 11.0' | 5.1' |
| 20' | 11.5' | 67  | 8.5' | 7.3' | 12' | 20.8' | 36  | 16.4' | 7.6' |

# 7" aperture

PAR Metal halide adjustable accent



Ceiling cutout: 8"



## How to specify

| Trim kit                              | Frame-in kit   |
|---------------------------------------|--|
| C7P38MHA <input type="checkbox"/> CLW | C7A <input type="checkbox"/> 70 <input type="checkbox"/> P38E1 |

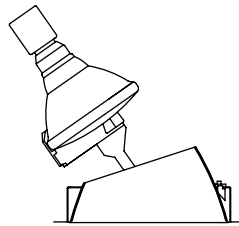
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp  | Wattage-lamp (luminaire) | Length (bars) | Width   |
|---------------|--------|------------|---------------|-------|--------------------------|---------------|---------|
| C7A70P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C7A70P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 70 (78)                  | 20" – 30"     | 19 1/8" |
| C7A10P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |
| C7A10P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 100 (110)                | 20" – 30"     | 19 1/8" |
| C7A15P38E1*   | Non-IC | Electronic | 120V          | PAR38 | 150 (167)                | 20" – 30"     | 19 1/8" |
| C7A15P38E2*   | Non-IC | Electronic | 277V          | PAR38 | 150 (167)                | 20" – 30"     | 19 1/8" |

\* See specification sheet for marked spacing requirements.

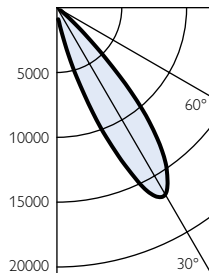
| Reflector finish      | White flange | Aperture-matching flange |
|-----------------------|--------------|--------------------------|
| Specular clear        | CLW          | CLP                      |
| Comfort clear diffuse | CCDW         | CCDP                     |

## 7" PAR38 Flood 70W

Reflector trim: C7P38MHA  CLW



**Max. tilt:** 45°  
**Report:** 2486FR  
**Lamp:** 70W PAR38 FL  
**Actual beam:** 23°



30° Aiming angle  
Horizontal surface

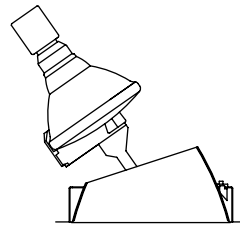
| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 301 | 3.3' | 2.8' |
| 8'  | 4.6' | 169 | 4.4' | 3.8' |
| 10' | 5.8' | 108 | 5.5' | 4.7' |
| 12' | 6.9' | 75  | 6.6' | 5.6' |
| 15' | 8.7' | 48  | 8.3' | 7.0' |

30° Aiming angle  
Vertical surface

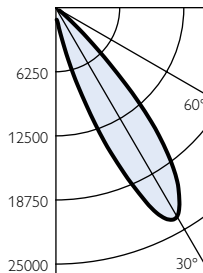
| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 521 | 3.7'  | 1.6' |
| 3' | 5.2'  | 232 | 5.6'  | 2.4' |
| 4' | 6.9'  | 130 | 7.4'  | 3.3' |
| 6' | 10.4' | 58  | 11.2' | 4.9' |
| 8' | 13.9' | 33  | 14.9' | 6.5' |

## 7" PAR38 Flood 100W

Reflector trim: C7P38MHA  CLW



**Max. tilt:** 45°  
**Report:** 2487FR  
**Lamp:** 100W PAR38 FL  
**Actual beam:** 23°



30° Aiming angle  
Horizontal surface

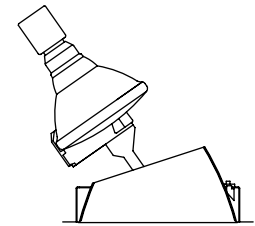
| D   | C     | FC  | L     | W    |
|-----|-------|-----|-------|------|
| 8'  | 4.6'  | 239 | 4.4'  | 3.8' |
| 10' | 5.8'  | 153 | 5.5'  | 4.7' |
| 12' | 6.9'  | 106 | 6.6'  | 5.6' |
| 15' | 8.7'  | 68  | 8.3'  | 7.0' |
| 20' | 11.5' | 38  | 11.0' | 9.4' |

30° Aiming angle  
Vertical surface

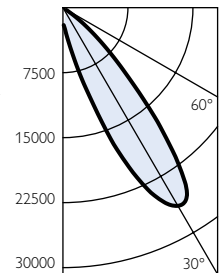
| D   | C     | FC  | L     | W    |
|-----|-------|-----|-------|------|
| 3'  | 5.2'  | 328 | 5.6'  | 2.4' |
| 4'  | 6.9'  | 184 | 7.4'  | 3.3' |
| 6'  | 10.4' | 82  | 11.2' | 4.9' |
| 8'  | 13.9' | 46  | 14.9' | 6.5' |
| 12' | 20.8' | 20  | 22.3' | 9.8' |

## 7" PAR38 Flood 150W

Reflector trim: C7P38MHA  CLW



**Max. tilt:** 45°  
**Report:** 2582FR  
**Lamp:** 150W PAR38 FL  
**Actual beam:** 24°



30° Aiming angle  
Horizontal surface

| D   | C     | FC  | L     | W    |
|-----|-------|-----|-------|------|
| 8'  | 4.6'  | 268 | 4.6'  | 3.9' |
| 10' | 5.8'  | 172 | 5.8'  | 4.9' |
| 12' | 6.9'  | 119 | 6.9'  | 5.9' |
| 15' | 8.7'  | 76  | 8.6'  | 7.4' |
| 20' | 11.5' | 43  | 11.5' | 9.8' |

30° Aiming angle  
Vertical surface

| D   | C     | FC  | L     | W     |
|-----|-------|-----|-------|-------|
| 3'  | 5.2'  | 367 | 5.9'  | 2.6'  |
| 4'  | 6.9'  | 206 | 7.9'  | 3.4'  |
| 6'  | 10.4' | 92  | 11.8' | 5.1'  |
| 8'  | 13.9' | 52  | 15.7' | 6.8'  |
| 12' | 20.8' | 23  | 23.6' | 10.2' |



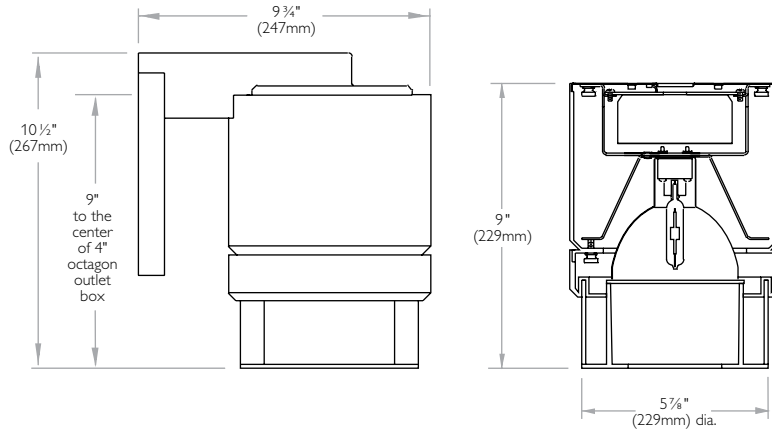
### How to Specify

Cylinder (complete unit)  
C4CIN20T4EUA

## Inno

### T4.5 Metal halide surface cylinders

#### Wall Mount Kit

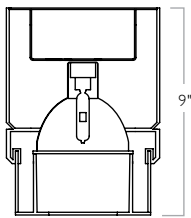


#### Inno Decorative Cylinder

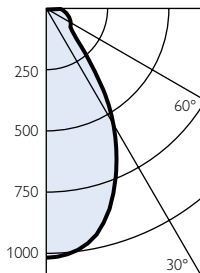
| Cat. No.                 | Finish           | Ballast    | Lamp     | Voltage   | Input Watts | Luminaire |
|--------------------------|------------------|------------|----------|-----------|-------------|-----------|
| <b>C4CIN20T4EUA</b>      | Brushed aluminum | Electronic | T4-G8.5  | 120V-277V | 20W (23W)   |           |
| <b>C4CIN20BT5PGJ5E1A</b> | Brushed aluminum | Electronic | T4-PGJ5  | 120V      | 20W (23W)   |           |
| <b>C4CIN20T4GU65EUA</b>  | Brushed aluminum | Electronic | T4-GU6.5 | 120V-277V | 20W (23W)   |           |
| <b>C4CIN39T4EUA</b>      | Brushed aluminum | Electronic | T4-G8.5  | 120V-277V | 39W (44W)   |           |
| <b>C4CIN39BT5PGJ5E1A</b> | Brushed aluminum | Electronic | T4-PGJ5  | 120V      | 39W (44W)   |           |
| <b>C4CIN39T4GU65EUA</b>  | Brushed aluminum | Electronic | T4-GU6.5 | 120V-277V | 39W (44W)   |           |

### 4 1/2" T4.5 Inno cylinder 39W

Complete unit: C4CIN39T4EU CLW



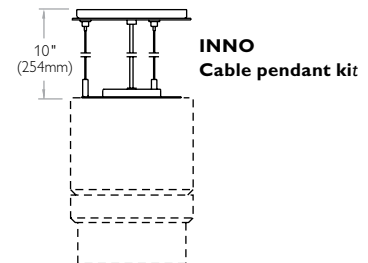
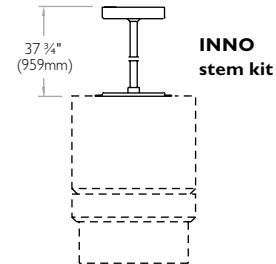
**Report:** 2614FR  
**Lamp:** 39W T4-G8.5  
Ceramic MH  
**Efficiency:** 43.6%  
**Spacing:** 0.9



Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 39                  | 1.22            |
| 8'                | 22                  | 0.69            |
| 9'                | 17                  | 0.54            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances



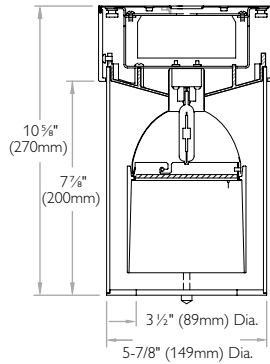
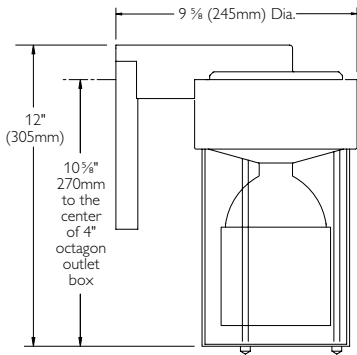
#### Mounting Kits

| Cat. No.        | Finish           | Description           |
|-----------------|------------------|-----------------------|
| <b>CA4CWBSA</b> | Brushed aluminum | Wall-mount kit        |
| <b>CACPSA</b>   | Brushed aluminum | 10' Cable pendant kit |
| <b>CACSSA</b>   | Brushed aluminum | Stem kit              |

(45° Swivel, 37" long)

# Expo

## T4.5 Metal halide surface cylinders



### How to Specify

Cylinder (complete unit)

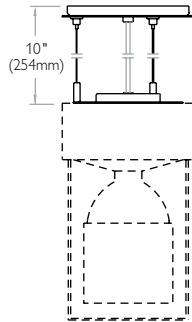
C4CEX20T4EUA

### Expo Decorative Cylinder

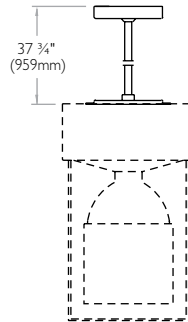
| Cat. No.                 | Finish           | Ballast    | Lamp     | Voltage   | Luminaire<br>Input Watts |
|--------------------------|------------------|------------|----------|-----------|--------------------------|
| <b>C4CEX20T4EUA</b>      | Brushed aluminum | Electronic | T4-G8.5  | 120V-277V | 20W (23W)                |
| <b>C4CEX20BT5PGJ5E1A</b> | Brushed aluminum | Electronic | T4-PGJ5  | 120V      | 20W (23W)                |
| <b>C4CEX20T4GU65EUA</b>  | Brushed aluminum | Electronic | T4-GU6.5 | 120V-277V | 20W (23W)                |
| <b>C4CEX39T4EUA</b>      | Brushed aluminum | Electronic | T4-G8.5  | 120V-277V | 39W (44W)                |
| <b>C4CEX39BT5PGJ5E1A</b> | Brushed aluminum | Electronic | T4-PGJ5  | 120V      | 39W (44W)                |
| <b>C4CEX39T4GU65EUA</b>  | Brushed aluminum | Electronic | T4-GU6.5 | 120V-277V | 39W (44W)                |



Shown with optional decorative EXPO3 rod & trim kit.



**EXPO  
Stem kit**



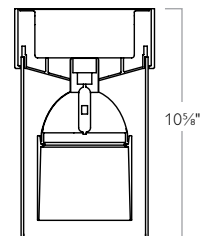
**EXPO  
Cable pendant kit**

### Mounting Kits

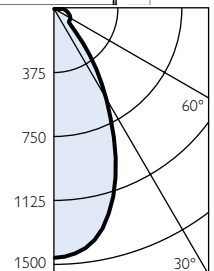
| Cat. No.        | Finish           | Description           |
|-----------------|------------------|-----------------------|
| <b>CA4CWBSA</b> | Brushed aluminum | Wall-mount kit        |
| <b>CACPSA</b>   | Brushed aluminum | 10' Cable pendant kit |
| <b>CACSSA</b>   | Brushed aluminum | Stem kit              |
| <b>CAEXPTSA</b> | Brushed aluminum | Expo3 rod & trim kit  |

### 4 1/2" T4.5 Expo cylinder 39W

Complete unit: C4CEX39T4EU **CLW**



**Report:** 2605FR  
**Lamp:** 39W T4-G8.5  
 Ceramic MH  
**Efficiency:** 49.7%  
**Spacing:** 0.8



Multiple unit data (RCR 2)

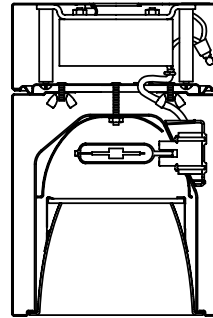
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 42                  | 1.22            |
| 8'                | 24                  | 0.69            |
| 9'                | 19                  | 0.54            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances



# 4 1/2" aperture

## T4.5 Metal halide surface cylinders



### How to specify

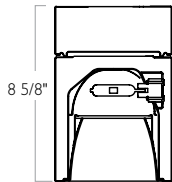
Cylinder (complete unit)

C4CS20T4E1/C4T4HW CLW

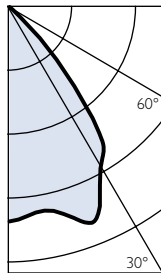
| Cylinder Housing | Finish        | Ballast    | Input voltage | Lamp    | Wattage-lamp (luminaire) | Reflector finish      |     |
|------------------|---------------|------------|---------------|---------|--------------------------|-----------------------|-----|
| C4CS20T4E1       | Painted White | Electronic | 120V          | T4-G8.5 | 20 (23)                  | Specular clear        | CL  |
| C4CS20T4E2       | Painted White | Electronic | 277V          | T4-G8.5 | 20 (23)                  | Comfort clear diffuse | CCD |
| C4CS39T4E1       | Painted White | Electronic | 120V          | T4-G8.5 | 39 (44)                  |                       |     |
| C4CS39T4E2       | Painted White | Electronic | 277V          | T4-G8.5 | 39 (44)                  |                       |     |

### 4 1/2" T4.5 wide beam 39W

**Complete unit:** C4T4HW CLW



**Report:** 2341FR  
**Lamp:** 39W T4.5  
 Ceramic MH  
**Efficiency:** 52.4%  
**Spacing:** 1.1



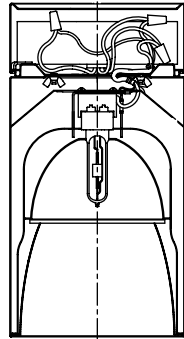
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 50                  | 1.22            |
| 8'                | 28                  | 0.69            |
| 9'                | 22                  | 0.54            |
| 10'               | 18                  | 0.44            |
| 11'               | 15                  | 0.36            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 6" aperture

## T6 Metal halide surface cylinders



### How to specify

Cylinder (complete unit)

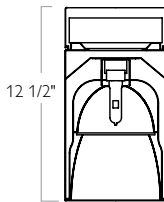
C6CS39T6EU/C6T6VW  CL

| Cylinder Housing | Finish        | Ballast    | Input voltage | Lamp | Wattage-lamp (luminaire) |
|------------------|---------------|------------|---------------|------|--------------------------|
| C6CS39T6EU       | Painted White | Electronic | 120V          | T6   | 39 (44)                  |
| C6CS70T6EU       | Painted White | Electronic | 120V          | T6   | 70 (78)                  |

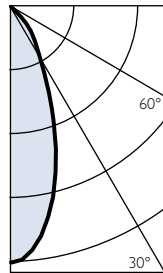
| Reflector finish      | CL  | CCD |
|-----------------------|-----|-----|
| Specular clear        | CL  | CCD |
| Comfort clear diffuse | CCD | CCD |

### 6" T6 narrow beam 70W

Complete unit: C6T6VN  CL



**Report:** 2334FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 62.7%  
**Spacing:** 0.6



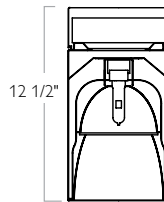
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 123                 | 2.17            |
| 8'                | 69                  | 1.22            |
| 9'                | 55                  | 0.96            |

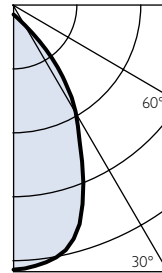
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" T6 medium beam 70W

Complete unit: C6T6VM  CL



**Report:** 2335FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 62.8%  
**Spacing:** 0.9



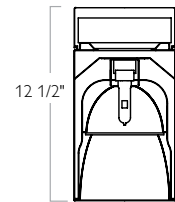
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 121                 | 2.17            |
| 8'                | 68                  | 1.22            |
| 9'                | 54                  | 0.96            |

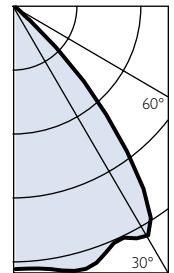
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" T6 wide beam 70W

Complete unit: C6T6VW  CL



**Report:** 2323FR  
**Lamp:** 70W T6  
 Ceramic MH  
**Efficiency:** 60.5%  
**Spacing:** 1.2



Multiple unit data (RCR 2)

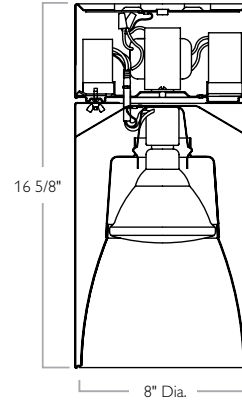
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 116                 | 2.17            |
| 8'                | 65                  | 1.22            |
| 9'                | 51                  | 0.96            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances



# 7" aperture

## ED17/BD17/PAR Metal halide surface cylinders



### How to specify

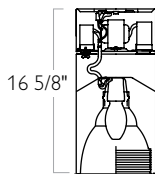
Cylinder (complete unit)

C7CS70MEU/C7E17OVM  CLW

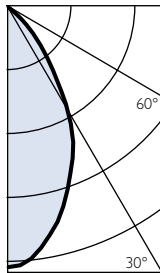
| Cylinder Housing | Finish        | Ballast    | Input voltage | Lamp                          | Wattage-lamp (luminaire) | Reflector finish      | White Flange | Polished flange |
|------------------|---------------|------------|---------------|-------------------------------|--------------------------|-----------------------|--------------|-----------------|
| C7CS70MEU        | Painted White | Electronic | 120/277V      | PAR38 / ED17 (Enclosed-rated) | 70 (78)                  | Specular clear        | CLW          | CLP             |
| C7CS70MHU        | Painted White | Magnetic   | 120/277V      | PAR38 / ED17 (Enclosed-rated) | 70 (94)                  | Comfort clear diffuse | CCDW         | CCDP            |
| C7CS70MHOEU      | Painted White | Electronic | 120/277V      | PAR38 / ED17 (Open-rated)     | 70 (78)                  |                       |              |                 |
| C7CS70MHOU       | Painted White | Magnetic   | 120/277V      | PAR38 / ED17 (Open-rated)     | 70 (94)                  |                       |              |                 |
|                  | Painted White | Electronic | 120/277V      | PAR38 / ED17 (Enclosed-rated) | 100 (110)                |                       |              |                 |
| C7CS10MHU        | Painted White | Magnetic   | 120/277V      | PAR38 / ED17 (Enclosed-rated) | 100 (125)                |                       |              |                 |
| C7CS10MHOEU      | Painted White | Electronic | 120/277V      | PAR38 / ED17 (Open-rated)     | 100 (110)                |                       |              |                 |
| C7CS10MHOU       | Painted White | Magnetic   | 120/277V      | PAR38 / ED17 (Open-rated)     | 100 (125)                |                       |              |                 |

### 7" ED17 Open rated 100W

Complete unit: C7E17OVM  CLW



**Report:** 2396FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Open Rated  
**Efficiency:** 61.3%  
**Spacing:** 0.8



Multiple unit data (RCR 2)

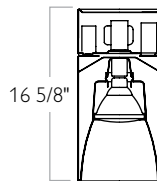
| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 153                 | 3.47            |
| 8'                | 86                  | 1.95            |
| 9'                | 68                  | 1.54            |
| 10'               | 55                  | 1.25            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

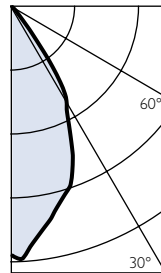
For ED17 (enclosed) reflector trim order C7E17VM.

### 7" PAR38 100W

Complete unit: C7P38MH  CLW



**Report:** 2422FR  
**Lamp:** 100W PAR38  
 WFL  
 Ceramic MH  
**Efficiency:** 84.1%  
**Spacing:** 0.8



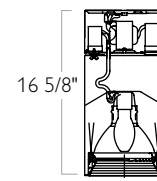
Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 170                 | 3.47            |
| 8'                | 96                  | 1.95            |
| 9'                | 76                  | 1.54            |
| 10'               | 61                  | 1.25            |

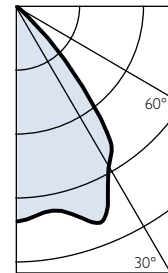
38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 7" ED17 Prismatic lens 100W

Complete unit: C7E17PL  CLW



**Report:** 2567FR  
**Lamp:** 100W ED17  
 Ceramic MH  
 Enclosed  
**Efficiency:** 44.2%  
**Spacing:** 0.9



Multiple unit data (RCR 2)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 6'                | 106                 | 3.47            |
| 8'                | 60                  | 1.95            |
| 9'                | 47                  | 1.54            |
| 10'               | 38                  | 1.25            |

38' x 38' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

For fresnel lens reflector trim order C7E17FL.

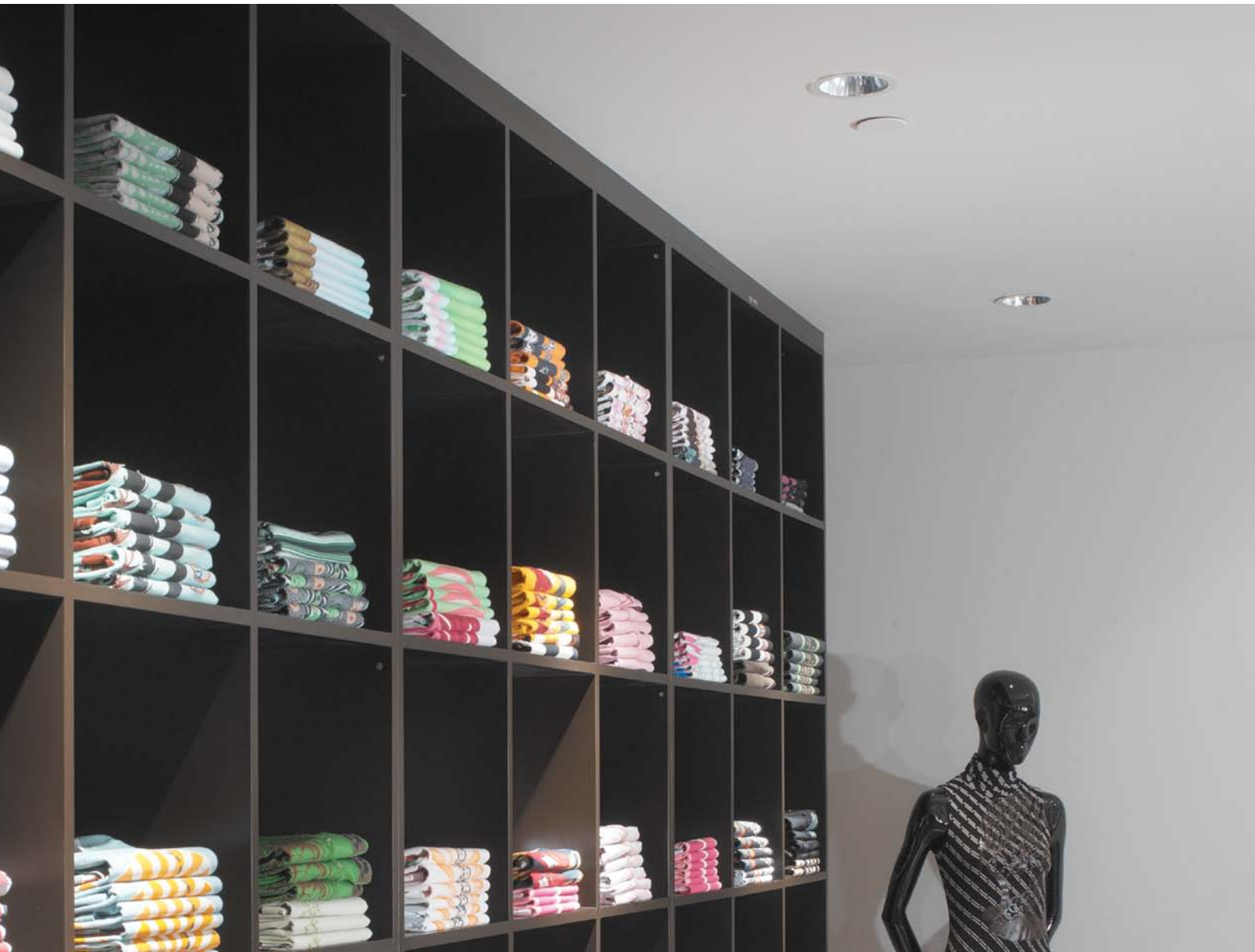




## Low & line voltage lighting

Calculite offers a broad array of architectural downlights designed specifically for general ambient lighting, wall washing and accent lighting.



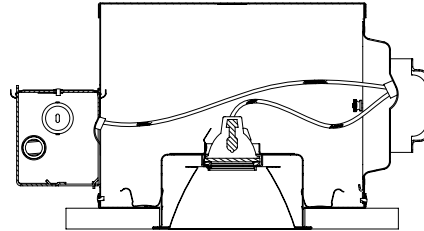


## Contents

|                                     |   |       |                                    |   |       |
|-------------------------------------|---|-------|------------------------------------|---|-------|
| Open downlight                      | > | 1.88  | Open downlights - PAR, R, BR lamps | > | 1.130 |
| Lensed wall washer                  | > | 1.89  | Open downlights - PAR, BR lamps    | > | 1.131 |
| Adjustable accent                   | > | 1.90  | Open wall washers - A lamp         | > | 1.132 |
| Lensed adjustable accent            | > | 1.91  | Shallow open downlights - A lamps  | > | 1.133 |
| Evolution                           | > | 1.92  | Adjustable accent - PAR lamps      | > | 1.134 |
| Open downlight - A lamp             | > | 1.126 | Lensed wall washers - PAR lamps    | > | 1.136 |
| Shallow downlights - A lamp         | > | 1.127 | Framing projector - T4             | > | 1.137 |
| Ellipsoidal downlights - A, T lamps | > | 1.128 | Surface cylinders                  | > | 1.138 |
| Lensed downlights - A lamp          | > | 1.129 |                                    |   |       |

# 4 1/2" x 4 1/2" aperture

Open halogen MR16 downlight



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

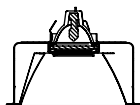
## How to specify

|                                      |              |
|--------------------------------------|--------------|
| Trim kit                             | Frame-in kit |
| C4X4MRD <input type="checkbox"/> CLW | C4X4LVMU     |

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|------|----------|---------|---------|--------|-----------------------|--------------|-----------------|
| C4X4LVMU      | Non-IC | Magnetic   | 120V/277V     | MR16 | 42-65W   | 15"     | 13 3/4" | 7 1/2" | Clear                 | CLW          | CLP             |
| C4X4LVE1      | Non-IC | Electronic | 120V          | MR16 | 65W Max. | 14 3/4" | 13 3/4" | 7 1/2" | Comfort clear diffuse | CCDW         | CCDP            |
| C4X4LVE2      | Non-IC | Electronic | 277V          | MR16 | 65W Max. | 15"     | 13 3/4" | 7 1/2" | White                 | WHW          | N/A             |

### 4 1/2" x 4 1/2" Aperture 37W IR MR16, 40°

**Reflector trim:** C4X4MRD  CLW



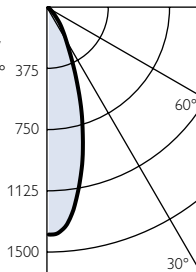
**Report no.:** 3365FR-37W

**Lamp:** 37W IR MR16 - 40°

**Initial lumens:** 840

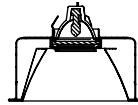
**Efficiency:** 72.5%

**Spacing:** 0.6



### 4 1/2" x 4 1/2" Aperture 50W MR16, 40°

**Reflector trim:** C4X4MRD  CLW



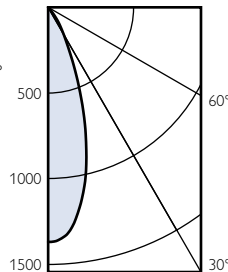
**Report no.:** 3366FR

**Lamp:** 50W MR16 - 40°

**Initial lumens:** 800

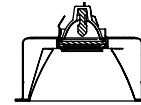
**Efficiency:** 77.6%

**Spacing:** 0.6



### 4 1/2" x 4 1/2" Aperture 50W MR16, 60°

**Reflector trim:** C4X4MRD  CLW



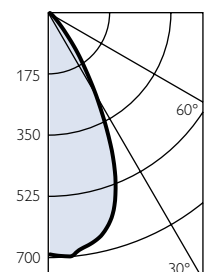
**Report no.:** 3367FR

**Lamp:** 50W MR16 - 60°

**Initial lumens:** 825

**Efficiency:** 66.0%

**Spacing:** 0.8



Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 4'                | 35                  | 2.31            |
| 5'                | 24                  | 1.61            |
| 6'                | 15                  | 1.03            |

24' X 24' x 12' room, workplane  
 2 1/2' above floor, 80/50/20% reflectances

Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 4'                | 35                  | 3.38            |
| 5'                | 24                  | 2.34            |
| 6'                | 16                  | 1.49            |

24' X 24' x 12' room, workplane  
 2 1/2' above floor, 80/50/20% reflectances

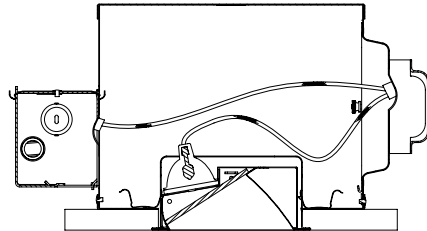
Multiple unit data (RCR 1)

| Spacing on center | Initial footcandles | Watts per sq ft |
|-------------------|---------------------|-----------------|
| 4'                | 31                  | 3.38            |
| 5'                | 21                  | 2.34            |
| 6'                | 14                  | 1.49            |

24' X 24' x 12' room, workplane  
 2 1/2' above floor, 80/50/20% reflectances

# 4 1/2" x 4 1/2" aperture

Lensed halogen MR16 wall washer



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

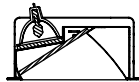
## How to specify

| Trim kit                             | Frame-in kit |
|--------------------------------------|--------------|
| C4X4MRL <input type="checkbox"/> CLW | C4X4LVMU     |

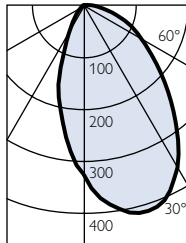
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|------|----------|---------|---------|--------|-----------------------|--------------|-----------------|
| C4X4LVMU      | Non-IC | Magnetic   | 120V/277V     | MR16 | 42-65W   | 15"     | 13 3/4" | 7 1/2" | Clear                 | CLW          | CLP             |
| C4X4LVE1      | Non-IC | Electronic | 120V          | MR16 | 65W Max. | 14 3/4" | 13 3/4" | 7 1/2" | Comfort clear diffuse | CCDW         | CCDP            |
| C4X4LVE2      | Non-IC | Electronic | 277V          | MR16 | 65W Max. | 15"     | 13 3/4" | 7 1/2" | White                 | WHW          | N/A             |

## 4 1/2" x 4 1/2" Aperture 37W MR16 IR, 40° FL

**Reflector trim:** C4X4MRL  CLW



**Report no.:** 3406FR  
**Lamp:** 37W MR16 IR  
**Initial lumens:** 840  
**Efficiency:** 55.1%

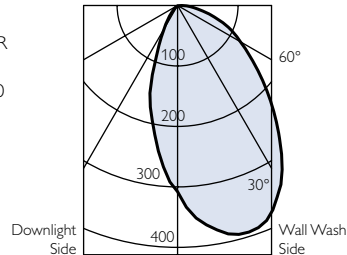


## 4 1/2" x 4 1/2" Aperture 50W MR16, 40° FL

**Reflector trim:** C4X4MRL  CLW



**Report no.:** 3406FR  
**Lamp:** 50W MR16  
**Initial lumens:** 800  
**Efficiency:** 55.1%



Multiple units Footcandles on wall

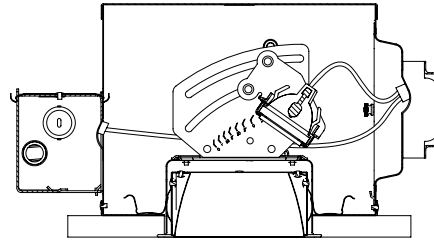
|                               |    | 2' from Wall - 2' On Center |    |    |
|-------------------------------|----|-----------------------------|----|----|
|                               |    | ○ ← 2' → ○                  |    |    |
| Distance from ceiling in feet | 1  | 26                          | 25 | 26 |
|                               | 2  | 30                          | 28 | 30 |
|                               | 3  | 24                          | 23 | 24 |
|                               | 4  | 18                          | 18 | 18 |
|                               | 5  | 14                          | 13 | 14 |
|                               | 6  | 11                          | 11 | 11 |
|                               | 7  | 7                           | 7  | 7  |
|                               | 8  | 6                           | 6  | 6  |
|                               | 9  | 5                           | 5  | 5  |
|                               | 10 | 4                           | 4  | 4  |

Multiple units Footcandles on wall

|                               |    | 2' from Wall - 2' On Center |    |    |
|-------------------------------|----|-----------------------------|----|----|
|                               |    | ○ ← 2' → ○                  |    |    |
| Distance from ceiling in feet | 1  | 25                          | 24 | 25 |
|                               | 2  | 29                          | 27 | 29 |
|                               | 3  | 23                          | 22 | 23 |
|                               | 4  | 17                          | 17 | 17 |
|                               | 5  | 13                          | 12 | 13 |
|                               | 6  | 10                          | 10 | 10 |
|                               | 7  | 7                           | 7  | 7  |
|                               | 8  | 6                           | 6  | 6  |
|                               | 9  | 5                           | 5  | 5  |
|                               | 10 | 4                           | 4  | 4  |

# 4 1/2" x 4 1/2" aperture

## Halogen MR16 adjustable accent



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

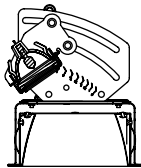
### How to specify

|                    |              |
|--------------------|--------------|
| Trim kit           | Frame-in kit |
| C4X4MRA <b>CLW</b> | C4X4LVMU     |

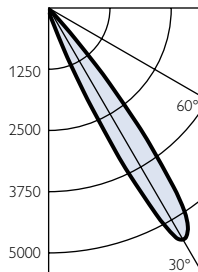
| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height | Reflector finish      | White Flange | Polished flange |
|---------------|--------|------------|---------------|------|----------|---------|---------|--------|-----------------------|--------------|-----------------|
| C4X4LVMU      | Non-IC | Magnetic   | 120V/277V     | MR16 | 42-65W   | 15"     | 13 3/4" | 7 1/2" | Clear                 | CLW          | CLP             |
| C4X4LVE1      | Non-IC | Electronic | 120V          | MR16 | 65W Max. | 14 3/4" | 13 3/4" | 7 1/2" | Comfort clear diffuse | CCDW         | CCDP            |
| C4X4LVE2      | Non-IC | Electronic | 277V          | MR16 | 65W Max. | 15"     | 13 3/4" | 7 1/2" | White                 | WHW          | N/A             |

### 4 1/2" x 4 1/2" Aperture 50W MR16, 15°

**Reflector trim:** C4X4MRA **CLW**



**Report no.:** 3371FR  
**Lamp:** 50W MR16 - 15°  
**Initial lumens:** 750  
**Efficiency:** 80.3%



#### 30° Aiming angle - Horizontal surface

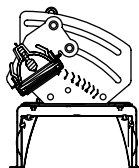
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 98 | 2.0' | 1.7' |
| 8'  | 4.6' | 55 | 2.6' | 2.3' |
| 10' | 5.8' | 35 | 3.3' | 2.8' |
| 12' | 6.9' | 25 | 3.9' | 3.4' |
| 15' | 8.7' | 16 | 4.9' | 4.3' |

#### 30° Aiming angle - Vertical surface

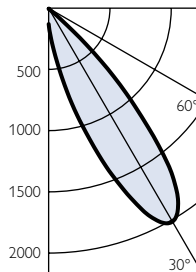
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 170 | 2.1' | 1.0' |
| 3' | 5.2'  | 76  | 3.1' | 1.5' |
| 4' | 6.9'  | 43  | 4.1' | 2.0' |
| 6' | 10.4' | 19  | 6.2' | 2.9' |
| 8' | 13.9' | 11  | 8.2' | 3.9' |

### 4 1/2" x 4 1/2" Aperture 50W MR16, 25°

**Reflector trim:** C4X4MRA **CLW**



**Report no.:** 3372FR  
**Lamp:** 50W MR16 - 25°  
**Initial lumens:** 800  
**Efficiency:** 77.9%



#### 30° Aiming angle - Horizontal surface

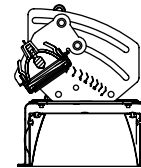
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 36 | 3.8' | 3.2' |
| 8'  | 4.6' | 20 | 5.0' | 4.3' |
| 10' | 5.8' | 13 | 6.3' | 5.3' |
| 12' | 6.9' | 9  | 7.5' | 6.4' |
| 15' | 8.7' | 6  | 9.4' | 8.0' |

#### 30° Aiming angle - Vertical surface

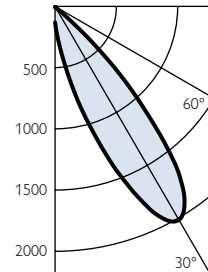
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 63 | 4.4'  | 1.8' |
| 3' | 5.2'  | 28 | 6.6'  | 2.8' |
| 4' | 6.9'  | 16 | 8.8'  | 3.7' |
| 6' | 10.4' | 7  | 13.2' | 5.5' |
| 8' | 13.9' | 4  | 17.6' | 7.4' |

### 4 1/2" x 4 1/2" Aperture 50W MR16, 40°

**Reflector trim:** C4X4MRA **CLW**



**Report no.:** 3373FR  
**Lamp:** 50W MR16 - 40°  
**Initial lumens:** 800  
**Efficiency:** 81.5%



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 27 | 4.9'  | 4.1'  |
| 8'  | 4.6' | 15 | 6.5'  | 5.5'  |
| 10' | 5.8' | 10 | 8.1'  | 6.8'  |
| 12' | 6.9' | 7  | 9.8'  | 8.2'  |
| 15' | 8.7' | 4  | 12.2' | 10.3' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 47 | 6.4'  | 2.4' |
| 3' | 5.2'  | 21 | 9.6'  | 3.6' |
| 4' | 6.9'  | 12 | 12.9' | 4.7' |
| 6' | 10.4' | 5  | 19.3' | 7.1' |
| 8' | 13.9' | 3  | 25.7' | 9.5' |

# 4 1/2" x 4 1/2" aperture

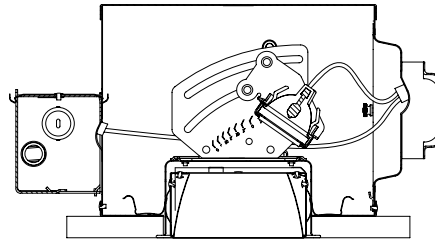
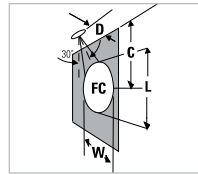
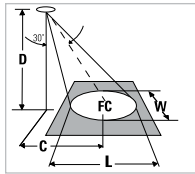
## Halogen MR16 lensed adjustable accent



### 30° Aiming angle

Horizontal surface

Vertical surface



**Ceiling cutout:** 5 1/4" x 5 1/4"  
**Ceiling thickness:** 2" Max.

### How to specify

| Trim kit                             | Frame-in kit |
|--------------------------------------|--------------|
| C4X4MRW <input type="checkbox"/> CLW | C4X4LVMU     |

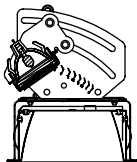
**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

| Frame-in kits | Type   | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height |
|---------------|--------|------------|---------------|------|----------|---------|---------|--------|
| C4X4LVMU      | Non-IC | Magnetic   | 120V/277V     | MR16 | 42-65W   | 15"     | 13 3/4" | 7 1/2" |
| C4X4LVE1      | Non-IC | Electronic | 120V          | MR16 | 65W Max. | 14 3/4" | 13 3/4" | 7 1/2" |
| C4X4LVE2      | Non-IC | Electronic | 277V          | MR16 | 65W Max. | 15"     | 13 3/4" | 7 1/2" |

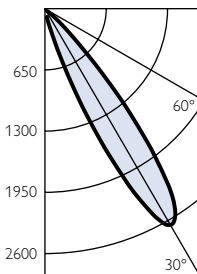
| Reflector finish      | White Flange | Polished flange |
|-----------------------|--------------|-----------------|
| Clear                 | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |
| White                 | WHW          | N/A             |

### 4 1/2" x 4 1/2" Aperture 50W MR16, 15°

**Reflector trim:** C4X4MRW  CLW

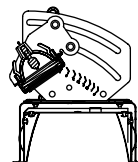


**Report no.:** 3370FR  
**Lamp:** 50W MR16 - 15°  
**Initial lumens:** 750  
**Efficiency:** 69.6%

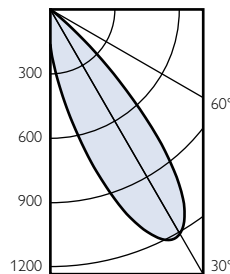


### 4 1/2" x 4 1/2" Aperture 50W MR16, 25°

**Reflector trim:** C4X4MRW  CLW

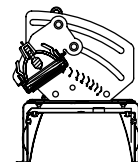


**Report no.:** 3369FR  
**Lamp:** 50W MR16 - 25°  
**Initial lumens:** 800  
**Efficiency:** 64.9%

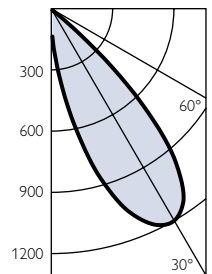


### 4 1/2" x 4 1/2" Aperture 50W MR16, 40°

**Reflector trim:** C4X4MRW  CLW



**Report no.:** 3368FR  
**Lamp:** 50W MR16 - 40°  
**Initial lumens:** 800  
**Efficiency:** 66.4%



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W     |
|-----|------|----|------|-------|
| 6'  | 3.5' | 48 | 2.6' | 10.1' |
| 8'  | 4.6' | 27 | 3.4' | 2.9'  |
| 10' | 5.8' | 17 | 4.3' | 3.7'  |
| 12' | 6.9' | 12 | 5.1' | 4.4'  |
| 15' | 8.7' | 8  | 6.4' | 5.5'' |

#### 30° Aiming angle - Vertical surface

| D   | C    | FC | L    | W     |
|-----|------|----|------|-------|
| 6'  | 3.5' | 48 | 2.6' | 10.1' |
| 8'  | 4.6' | 27 | 3.4' | 2.9'  |
| 10' | 5.8' | 17 | 4.3' | 3.7'  |
| 12' | 6.9' | 12 | 5.1' | 4.4'  |
| 15' | 8.7' | 8  | 6.4' | 5.5'  |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 22 | 4.4'  | 3.7' |
| 8'  | 4.6' | 12 | 5.9'  | 5.0' |
| 10' | 5.8' | 8  | 7.3'  | 6.2' |
| 12' | 6.9' | 5  | 8.8'  | 7.4' |
| 15' | 8.7' | 3  | 11.0' | 9.3' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 38 | 5.5'  | 2.1' |
| 3' | 5.2'  | 17 | 8.2'  | 3.2' |
| 4' | 6.9'  | 9  | 10.9' | 4.3' |
| 6' | 10.4' | 4  | 16.4' | 6.4' |
| 8' | 13.9' | 2  | 21.9' | 8.6  |

#### 30° Aiming angle - Horizontal surface

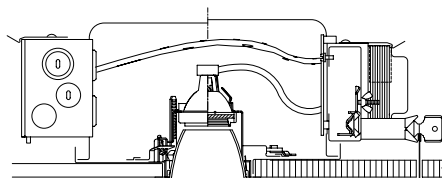
| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 22 | 4.9'  | 4.1'  |
| 8'  | 4.6' | 12 | 6.5'  | 5.5'  |
| 10' | 5.8' | 8  | 8.1'  | 6.8'  |
| 12' | 6.9' | 5  | 9.8'  | 8.2'  |
| 15' | 8.7' | 3  | 12.2' | 10.3' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 37 | 6.4'  | 2.4' |
| 3' | 5.2'  | 17 | 9.6'  | 3.6' |
| 4' | 6.9'  | 9  | 12.9' | 4.7' |
| 6' | 10.4' | 4  | 19.3' | 7.1' |
| 8' | 13.9' | 2  | 25.7' | 9.5  |

# 3" aperture

## Evolution halogen MR16 downlight



**C3MRD** **CLW** trim with **C3LV** frame-in kit shown above. **Ceiling cutout: 3 1/2"**

### How to specify

|                         |              |
|-------------------------|--------------|
| Trim kit                | Frame-in kit |
| <b>C3MRD</b> <b>CLW</b> | <b>C3LV</b>  |

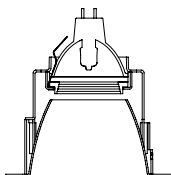
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

| Reflector finish      | White flange | Polished flange | Flangeless |
|-----------------------|--------------|-----------------|------------|
| Clear                 | CLW          | CLP             | CLFT       |
| Comfort clear diffuse | CCDW         | CCDP            | CCDFT      |
| Champagne bronze      | CCZW         | CCZP            | CCZFT      |
| Gold                  | GDW          | GDP             | GDFT       |
| White                 | WHW          | N/A             | WHFT       |
| Black                 | BKW          | BKP             | BKFT       |

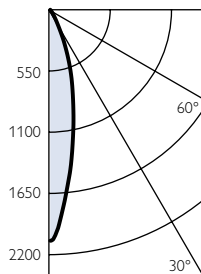
\* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

### 3" Aperture 37W MR16 IR, 40° FL

Reflector trim: **C3MRD** **CLW**



**Report no.:** 2741FR  
**Lamp:** 37W MR16 IR  
 40° Flood  
**Initial lumens:** 840  
**Efficiency:** 68.7%  
**Spacing:** 0.4



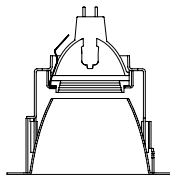
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 124                              | 1'            |
| 6'                      | 56                               | 2'            |
| 8'                      | 31                               | 3'            |
| 10'                     | 20                               | 4'            |

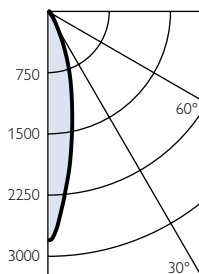
Beam diameter defined as point at which foot-candles drop to 50% of maximum

### 3" Aperture 50W MR16 IR, 40° FL

Reflector trim: **C3MRD** **CLW**



**Report no.:** 26429FR  
**Lamp:** 50W MR16 IR  
 40° Flood  
**Initial lumens:** 1125  
**Efficiency:** 68.8%  
**Spacing:** 0.4



Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 158                              | 1'            |
| 6'                      | 74                               | 2'            |
| 8'                      | 42                               | 3'            |
| 10'                     | 27                               | 4'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

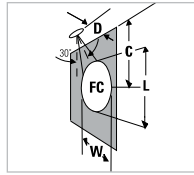
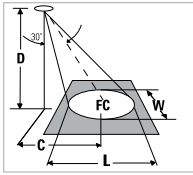
# 3" aperture

## Evolution halogen MR16 adjustable accent

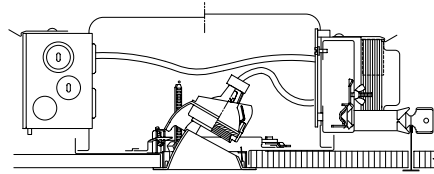
### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower. **C** is the distance to the center of the beam.



**C3MRA CLW** trim with C3LV frame-in kit shown above. **Ceiling cutout:** 3 1/2"



### How to specify

|                  |              |
|------------------|--------------|
| Trim kit         | Frame-in kit |
| <b>C3MRA CLW</b> | <b>C3LV</b>  |

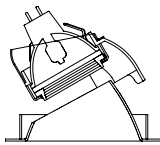
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

| Reflector finish      | White flange | Polished flange | Flangeless |
|-----------------------|--------------|-----------------|------------|
| Clear                 | CLW          | CLP             | CLFT       |
| Comfort clear diffuse | CCDW         | CCDP            | CCDFT      |
| Champagne bronze      | CCZW         | CCZP            | CCZFT      |
| Gold                  | GDW          | GDP             | GDFT       |
| White                 | WHW          | N/A             | WHFT       |
| Black                 | BKW          | BKP             | BKFT       |

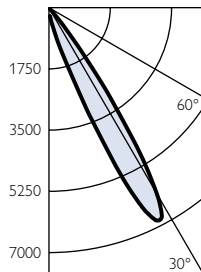
\* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

### 3" Aperture 50W MR16, 15° SP

**Reflector trim:** C3MRA **CLW**



**Report no.:** 2712FR  
**Lamp:** 50W MR16 - 15°  
**Max tilt:** 45°  
**Initial lumens:** 750  
**Luminare beam:** 13°



#### 30° Aiming angle - Horizontal surface

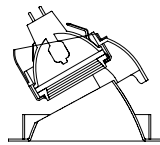
| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 133 | 3.1' | 2.7' |
| 8'  | 4.6' | 75  | 4.2' | 3.6' |
| 10' | 5.8' | 48  | 5.2' | 4.5' |
| 12' | 6.9' | 33  | 6.3' | 5.4' |
| 15' | 8.7' | 21  | 7.9' | 6.7' |

#### 30° Aiming angle - Vertical surface

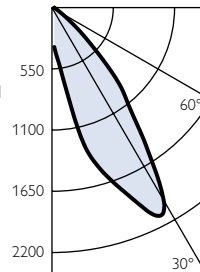
| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 260 | 3.5'  | 1.6' |
| 3' | 5.2'  | 117 | 5.3'  | 2.3' |
| 4' | 6.9'  | 66  | 7.0'  | 3.1' |
| 6' | 10.4' | 29  | 10.5' | 4.7' |
| 8' | 13.9' | 17  | 14.0' | 6.2' |

### 3" Aperture 50W MR16, 25° NFL

**Reflector trim:** C3MRA **CLW**



**Report no.:** 2708FR  
**Lamp:** 50W MR16  
 - 25° Narrow Flood  
**Max tilt:** 45°  
**Initial lumens:** 800  
**Luminare beam:** 28°



#### 30° Aiming angle - Horizontal surface

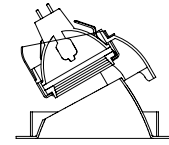
| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 41 | 4.1'  | 3.5' |
| 8'  | 4.6' | 23 | 5.4'  | 4.6' |
| 10' | 5.8' | 15 | 6.8'  | 5.8' |
| 12' | 6.9' | 10 | 8.1'  | 5.9' |
| 15' | 8.7' | 7  | 10.2' | 8.6' |

#### 30° Aiming angle - Vertical surface

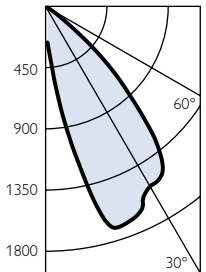
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 91 | 4.9'  | 2.0' |
| 3' | 5.2'  | 40 | 7.4'  | 3.0' |
| 4' | 6.9'  | 23 | 9.8'  | 4.0' |
| 6' | 10.4' | 10 | 14.7' | 6.0' |
| 8' | 13.9' | 6  | 19.6' | 8.0' |

### 3" Aperture 50W MR16, 40° FL

**Reflector trim:** C3MRA **CLW**



**Report no.:** 2709FR  
**Lamp:** 50W MR16  
 - 40° Narrow Flood  
**Max tilt:** 45°  
**Initial lumens:** 800  
**Luminare beam:** 35°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 40 | 5.2'  | 4.4'  |
| 8'  | 4.6' | 23 | 7.0'  | 5.8'  |
| 10' | 5.8' | 15 | 8.7'  | 7.3'  |
| 12' | 6.9' | 10 | 10.4' | 8.7'  |
| 15' | 8.7' | 6  | 13.0' | 10.9' |

#### 30° Aiming angle - Vertical surface

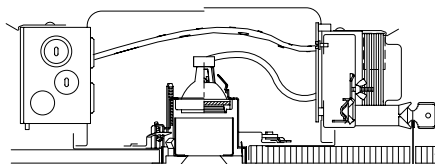
| D  | C     | FC  | L     | W     |
|----|-------|-----|-------|-------|
| 2' | 3.5'  | 102 | 7.2'  | 2.5'  |
| 3' | 5.2'  | 45  | 10.8' | 3.8'  |
| 4' | 6.9'  | 25  | 14.4' | 5.0'  |
| 6' | 10.4' | 11  | 21.6' | 7.6'  |
| 8' | 13.9' | 6   | 28.8' | 10.1' |





# 3" aperture

Evolution halogen MR16 1 1/4" pinhole downlight



**C3MRPD** **CLW** trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

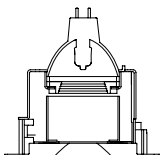
## How to specify

|                         |              |
|-------------------------|--------------|
| Trim kit                | Frame-in kit |
| <b>C3MRPD</b> <b>BK</b> | <b>C3LV</b>  |

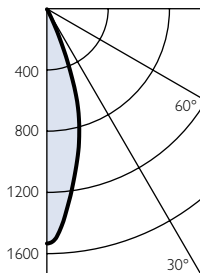
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height | Reflector finish   | White flange | Polished flange | Flangeless* |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|--|--------------|-----------------|-------------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     | White  | WH           | N/A             | WHFT        |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     | Black  | BK           | N/A             | BKFT        |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     | Satin aluminum   | N/A          | S/A             | SAFT        |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     | * Flangeless installations require <b>CA3FMR</b> flangeless trim ring accessory. |              |                 |             |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |  |              |                 |             |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |  |              |                 |             |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |  |              |                 |             |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |  |              |                 |             |

## 1 1/4" pinhole 37W MR16 IR, 40° FL

Reflector trim: **C3MRPD** **CLW**



**Report no.:** 2739FR  
**Lamp:** 37W MR16 IR  
 40° Flood  
**Initial lumens:** 840  
**Efficiency:** 53.5%  
**Spacing:** 0.5



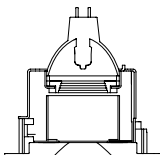
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 75                               | 1'            |
| 6'                      | 42                               | 2'            |
| 8'                      | 24                               | 3'            |
| 10'                     | 15                               | 4'            |

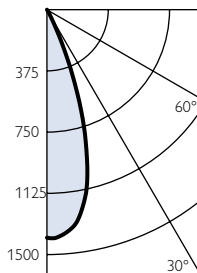
Beam diameter defined as point at which foot-candles drop to 50% of maximum

## 1 1/4" pinhole 50W MR16 IR, 40° FL

Reflector trim: **C3MRPD** **BK**



**Report no.:** 2720FR  
**Lamp:** 50W MR16 IR  
 40° Flood  
**Initial lumens:** 800  
**Efficiency:** 62.5%  
**Spacing:** 0.6



Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 88                               | 1'            |
| 6'                      | 89                               | 2'            |
| 8'                      | 22                               | 3'            |
| 10'                     | 14                               | 4'            |

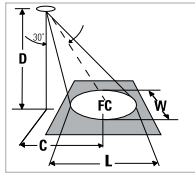
Beam diameter defined as point at which foot-candles drop to 50% of maximum

# 3" aperture

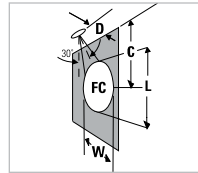
## Evolution halogen MR16 1/4" pinhole adjustable accent

### 30° Aiming angle

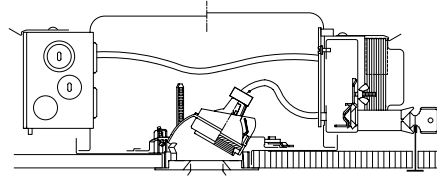
Horizontal surface



Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower. **C** is the distance to the center of the beam.



**C3MRPA SA** trim with **C3LV** frame-in kit shown above. **Ceiling cutout: 3 1/2"**



### How to specify

| Trim kit         | Frame-in kit |
|------------------|--------------|
| C3MRPA <b>SA</b> | C3LV         |

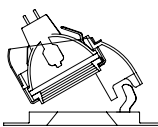
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

| Reflector finish | White flange | Polished flange | Flangeless* |
|------------------|--------------|-----------------|-------------|
| White            | WH           | N/A             | WHFT        |
| Black            | BK           | N/A             | BKFT        |
| Satin aluminum   | N/A          | S/A             | SAFT        |

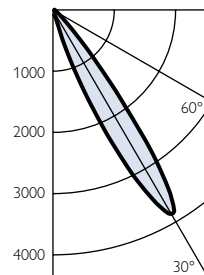
\* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

### 1/4" pinhole 37W MR16 IR, 10° SP

Reflector trim: C3MRPA **BK**



**Report no.:** 2740FR  
**Lamp:** 37W MR16  
 - 10° Spot  
**Max tilt:** 35°  
**Initial lumens:** 840  
**Luminare beam:** 15°



### 30° Aiming angle - Horizontal surface

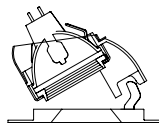
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 70 | 2.1' | 1.8' |
| 8'  | 4.6' | 39 | 2.8' | 2.4' |
| 10' | 5.8' | 25 | 3.5' | 3.0' |
| 12' | 6.9' | 17 | 4.2' | 3.6' |
| 15' | 8.7' | 11 | 5.3' | 4.6' |

### 30° Aiming angle - Vertical surface

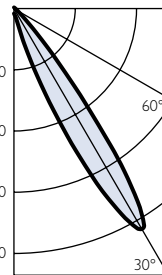
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 146 | 2.2' | 1.1' |
| 3' | 5.2'  | 65  | 3.3' | 1.6' |
| 4' | 6.9'  | 37  | 4.4' | 2.1' |
| 6' | 10.4' | 16  | 6.7' | 3.2' |
| 8' | 13.9' | 9   | 8.9' | 4.2' |

### 1/4" pinhole 50W MR16, 10° SP

Reflector trim: C3MRPA **BK**



**Report no.:** 2718FR  
**Lamp:** 37W MR16  
 - 10° Spot  
**Max tilt:** 35°  
**Initial lumens:** 1125  
**Luminare beam:** 15°



### 30° Aiming angle - Horizontal surface

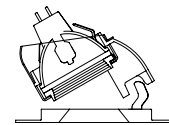
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 94 | 2.1' | 1.8' |
| 8'  | 4.6' | 53 | 2.8' | 2.4' |
| 10' | 5.8' | 34 | 3.5' | 3.0' |
| 12' | 6.9' | 23 | 4.2' | 3.6' |
| 15' | 8.7' | 15 | 5.3' | 4.6' |

### 30° Aiming angle - Vertical surface

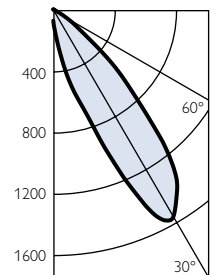
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 195 | 2.2' | 1.1' |
| 3' | 5.2'  | 88  | 3.3' | 1.6' |
| 4' | 6.9'  | 49  | 4.4' | 2.1' |
| 6' | 10.4' | 22  | 6.7' | 3.2' |
| 8' | 13.9' | 12  | 8.9' | 4.2' |

### 1/4" pinhole 50W MR16, 25° NFL

Reflector trim: C3MRPA **BK**



**Report no.:** 2719FR  
**Lamp:** 50W MR16  
 - 25° Narrow Flood  
**Max tilt:** 35°  
**Initial lumens:** 800  
**Luminare beam:** 26°



### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 94 | 2.1' | 1.8' |
| 8'  | 4.6' | 53 | 2.8' | 2.4' |
| 10' | 5.8' | 34 | 3.5' | 3.0' |
| 12' | 6.9' | 23 | 4.2' | 3.6' |
| 15' | 8.7' | 15 | 5.3' | 4.6' |

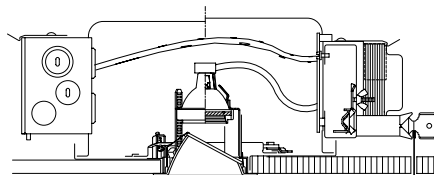
### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 78 | 4.4'  | 1.8' |
| 3' | 5.2'  | 35 | 6.6'  | 2.8' |
| 4' | 6.9'  | 20 | 8.8'  | 3.7' |
| 6' | 10.4' | 9  | 13.2' | 5.5' |
| 8' | 13.9' | 5  | 17.6' | 7.4' |



# 3" aperture

Evolution halogen MR16 lensed wall washer



**C3MRL** **CLW** trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

## How to specify

|                         |              |
|-------------------------|--------------|
| Trim kit                | Frame-in kit |
| <b>C3MRL</b> <b>CLW</b> | <b>C3LV</b>  |

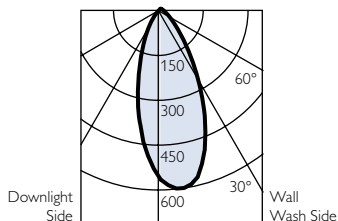
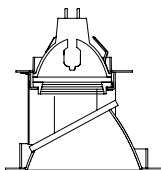
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height | Reflector finish      | White flange | Polished flange | Flangeless* |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|-----------------------|--------------|-----------------|-------------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     | Clear                 | CLW          | CLP             | CLFT        |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     | Comfort clear diffuse | CCDW         | CCDP            | CCDFT       |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     | Champagne bronze      | CCZW         | CCZP            | CCZFT       |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     | Gold                  | GDW          | GDP             | GDFT        |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     | White                 | WHW          | N/A             | WHFT        |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     | Black                 | BKW          | BKP             | BKFT        |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |                       |              |                 |             |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |                       |              |                 |             |

\* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

## 3" Aperture 37W MR16 IR, 40° FL

**Reflector trim:** C4X4MRL **CLW**

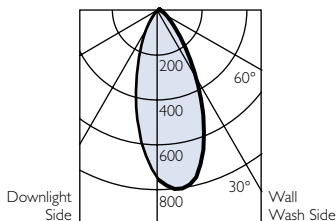
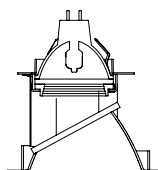
**Report no.:** 2774FR  
**Lamp:** 37W MR16 IR  
 40° Flood  
**Initial lumens:** 840



## 3" Aperture 50W MR16 IR, 40° FL

**Reflector trim:** C3MRL **CLW**

**Report no.:** 2700FR  
**Lamp:** 50W MR16 IR  
 40° Flood  
**Initial lumens:** 1125



Multiple units Footcandles on wall

| Distance from ceiling in feet | 2' from Wall - 2' On Center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 3                           | 3  | 3  |
| 2'                            | 7                           | 7  | 7  |
| 3'                            | 12                          | 11 | 12 |
| 4'                            | 13                          | 13 | 13 |
| 5'                            | 12                          | 12 | 12 |
| 6'                            | 10                          | 10 | 10 |
| 7'                            | 9                           | 8  | 9  |
| 8'                            | 7                           | 7  | 7  |
| 9'                            | 6                           | 6  | 6  |
| 10'                           | 5                           | 5  | 5  |

Multiple units Footcandles on wall

| Distance from ceiling in feet | 2' from Wall - 2' On Center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 4                           | 3  | 4  |
| 2'                            | 10                          | 9  | 10 |
| 3'                            | 16                          | 15 | 16 |
| 4'                            | 18                          | 17 | 18 |
| 5'                            | 16                          | 16 | 16 |
| 6'                            | 14                          | 14 | 14 |
| 7'                            | 12                          | 11 | 11 |
| 8'                            | 10                          | 10 | 10 |
| 9'                            | 8                           | 8  | 8  |
| 10'                           | 7                           | 7  | 7  |

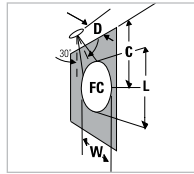
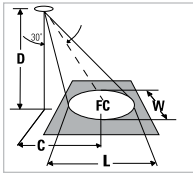
# 3" aperture

## Evolution halogen MR16 lensed adjustable accent

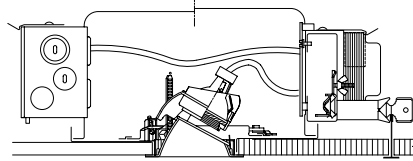
### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



**C3MRW CLW** trim with **C3LV** frame-in kit shown above. **Ceiling cutout: 3 1/2"**



### How to specify

| Trim kit         | Frame-in kit |
|------------------|--------------|
| <b>C3MRW CLW</b> | <b>C3LV</b>  |

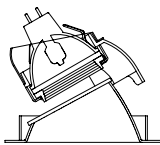
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

| Reflector finish      | White flange | Polished flange | Flangeless* |
|-----------------------|--------------|-----------------|-------------|
| Clear                 | CLW          | CLP             | CLFT        |
| Comfort clear diffuse | CCDW         | CCDP            | CCDFT       |
| Champagne bronze      | CCZW         | CCZP            | CCZFT       |
| Gold                  | GDW          | GDP             | GDFT        |
| White                 | WHW          | N/A             | WHFT        |
| Black                 | BKW          | BKP             | BKFT        |

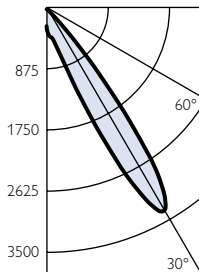
\* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

### 3" Aperture 50W MR16, 15° SP

Reflector trim: C3MRW **CLW**

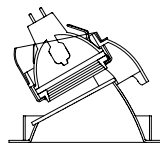


**Report no.:** 2784FR  
**Lamp:** 50W MR16  
 15° Spot  
**Max tilt:** 45°  
**Initial lumens:** 750  
**Luminare beam:** 15°

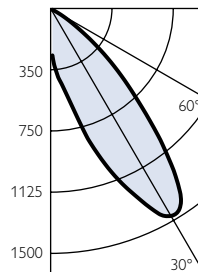


### 3" Aperture 50W MR16, 25° NFL

Reflector trim: C3MRW **CLW**

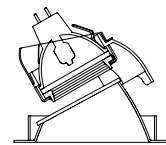


**Report no.:** 2785FR  
**Lamp:** 50W MR16  
 25° NFL  
**Max tilt:** 45°  
**Initial lumens:** 800  
**Luminare beam:** 30°

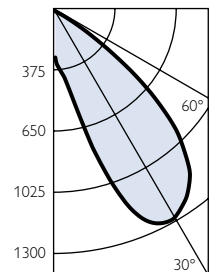


### 3" Aperture 50W MR16, 40° FL

Reflector trim: C3MRW **CLW**



**Report no.:** 2786FR  
**Lamp:** 50W MR16  
 40° FL  
**Max tilt:** 45°  
**Initial lumens:** 800  
**Luminare beam:** 36°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 61 | 2.1' | 1.8' |
| 8'  | 4.6' | 34 | 2.8' | 2.4' |
| 10' | 5.8' | 22 | 3.5' | 3.0' |
| 12' | 6.9' | 15 | 4.2' | 3.6' |
| 15' | 8.7' | 10 | 5.3' | 4.6' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 135 | 2.2' | 1.1' |
| 3' | 5.2'  | 61  | 3.3' | 1.6' |
| 4' | 6.9'  | 34  | 4.4' | 2.1' |
| 6' | 10.4' | 15  | 6.7' | 3.2' |
| 8' | 13.9' | 9   | 8.9' | 4.2' |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 27 | 4.4'  | 3.7' |
| 8'  | 4.6' | 15 | 5.9'  | 5.0' |
| 10' | 5.8' | 10 | 7.3'  | 6.2' |
| 12' | 6.9' | 7  | 8.8'  | 7.4' |
| 15' | 8.7' | 4  | 11.0' | 9.3' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 75 | 5.5'  | 2.1' |
| 3' | 5.2'  | 33 | 8.2'  | 3.2' |
| 4' | 6.9'  | 19 | 10.9' | 4.3' |
| 6' | 10.4' | 8  | 16.4' | 6.4' |
| 8' | 13.9' | 5  | 21.9' | 8.6' |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 26 | 5.4'  | 4.5'  |
| 8'  | 4.6' | 15 | 7.2'  | 6.0'  |
| 10' | 5.8' | 9  | 9.0'  | 7.5'  |
| 12' | 6.9' | 7  | 10.8' | 9.0'  |
| 15' | 8.7' | 4  | 13.5' | 11.3' |

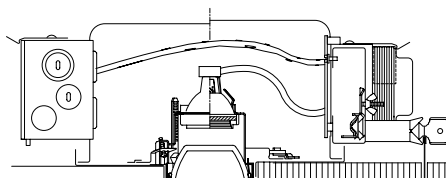
#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W     |
|----|-------|----|-------|-------|
| 2' | 3.5'  | 89 | 7.6'  | 2.6'  |
| 3' | 5.2'  | 39 | 11.4' | 3.9'  |
| 4' | 6.9'  | 22 | 15.2' | 5.2'  |
| 6' | 10.4' | 10 | 22.8' | 7.8'  |
| 8' | 13.9' | 6  | 30.4' | 10.4' |



# 3" aperture

Evolution halogen MR16 Glasslite downlight



**C3MRGD trim with C3LV**  
frame-in kit shown above. **Ceiling cutout: 3 1/2"**

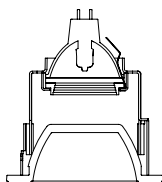
## How to specify

|               |              |
|---------------|--------------|
| Trim kit      | Frame-in kit |
| <b>C3MRGD</b> | <b>C3LV</b>  |

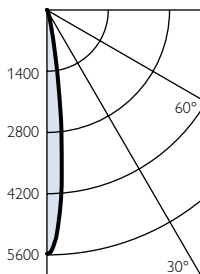
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

### 3" Aperture 50W MR16, 15° SP

**Reflector trim:** C3MRGD

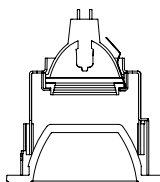


**Report no.:** 2724FR  
**Lamp:** 50W MR16 IR  
15° Spot  
**Initial lumens:** 750  
**Efficiency:** 69.7%  
**Spacing:** 0.2

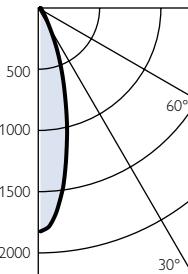


### 3" Aperture 50W MR16, 25° NFL

**Reflector trim:** C3MRGD

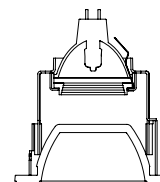


**Report no.:** 2723FR  
**Lamp:** 50W MR16 IR  
25° Narrow Flood  
**Initial lumens:** 800  
**Efficiency:** 65.1%  
**Spacing:** 0.5

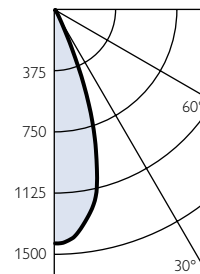


### 3" Aperture 50W MR16, 40° FL

**Reflector trim:** C3MRGD



**Report no.:** 2722FR  
**Lamp:** 50W MR16 IR  
40° Flood  
**Initial lumens:** 800  
**Efficiency:** 68.0%  
**Spacing:** 0.6



| Single unit             |                                  |               |
|-------------------------|----------------------------------|---------------|
| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
| 8'                      | 83                               | 1'            |
| 10'                     | 56                               | 2'            |
| 12'                     | 37                               | 3'            |
| 14'                     | 29                               | 4'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

| Single unit             |                                  |               |
|-------------------------|----------------------------------|---------------|
| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
| 4'                      | 107                              | 1'            |
| 6'                      | 50                               | 2'            |
| 8'                      | 28                               | 3'            |
| 10"                     | 18                               | 4'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

| Single unit             |                                  |               |
|-------------------------|----------------------------------|---------------|
| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
| 4'                      | 63                               | 3'            |
| 6'                      | 30                               | 4'            |
| 8'                      | 18                               | 5'            |
| 10'                     | 11                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

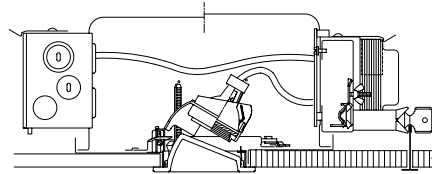
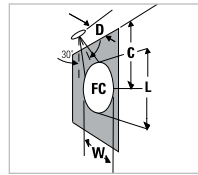
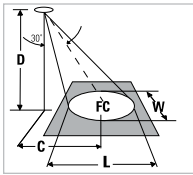
# 3" aperture

## Evolution halogen MR16 Glasslite adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

**C3MRGA** trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

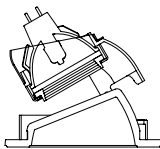
### How to specify

|               |              |
|---------------|--------------|
| Trim kit      | Frame-in kit |
| <b>C3MRGA</b> | <b>C3LV</b>  |

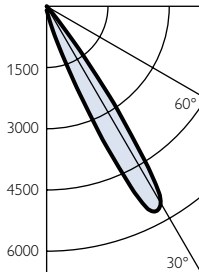
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width     | Height |
|---------------|----------------|------------|---------------|------|----------|---------|-----------|--------|
| C3LV          | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 12 11/16" | 5"     |
| C3LVE1        | Non-IC         | Electronic | 120V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3LVE2        | Non-IC         | Electronic | 277V          | MR16 | 65W Max. | 14 1/4" | 12 11/16" | 5"     |
| C3ALV         | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-65W  | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE1       | Non-IC AirSeal | Electronic | 120V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3ALVE2       | Non-IC AirSeal | Electronic | 277V          | MR16 | 65W Max. | 14 3/8" | 9 9/16"   | 5"     |
| C3AICLV       | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8"   | 9"     |
| C3AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 50W Max. | 22 3/8" | 10 1/8"   | 9"     |

### 3" Aperture 50W MR16, 15° SP

**Reflector trim:** C3MRGA



**Report no.:** 2711FR  
**Lamp:** 50W MR16  
 15° Spot  
**Max tilt:** 45°  
**Initial lumens:** 750  
**Luminare beam:** 13°



### 30° Aiming angle - Horizontal surface

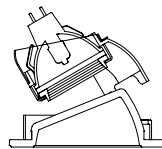
| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 107 | 1.8' | 1.6' |
| 8'  | 4.6' | 61  | 2.4' | 2.1' |
| 10' | 5.8' | 39  | 3.1' | 2.6' |
| 12' | 6.9' | 27  | 3.7' | 3.2' |
| 15' | 8.7' | 18  | 4.6' | 3.9' |

### 30° Aiming angle - Vertical surface

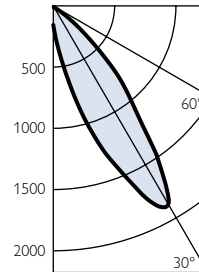
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 235 | 1.9' | 0.9' |
| 3' | 5.2'  | 106 | 2.8' | 1.4' |
| 4' | 6.9'  | 60  | 3.8' | 1.8' |
| 6' | 10.4' | 27  | 5.7' | 2.7' |
| 8' | 13.9' | 15  | 7.6' | 3.6' |

### 3" Aperture 50W MR16, 25° NFL

**Reflector trim:** C3MRGA



**Report no.:** 2707FR  
**Lamp:** 50W MR16  
 25° Narrow Flood  
**Max tilt:** 45°  
**Initial Lumens:** 800  
**Luminare beam:** 25°



### 30° Aiming angle - Horizontal surface

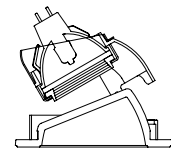
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 35 | 3.6' | 3.1' |
| 8'  | 4.6' | 20 | 4.8' | 4.1' |
| 10' | 5.8' | 13 | 6.0' | 5.1' |
| 12' | 6.9' | 9  | 7.2' | 6.1' |
| 15' | 8.7' | 6  | 9.0' | 7.7' |

### 30° Aiming angle - Vertical surface

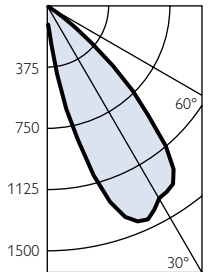
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 75 | 4.2'  | 1.8' |
| 3' | 5.2'  | 33 | 6.2'  | 2.7' |
| 4' | 6.9'  | 19 | 8.3'  | 3.5' |
| 6' | 10.4' | 8  | 12.5' | 5.3' |
| 8' | 13.9' | 5  | 16.6' | 7.1' |

### 3" Aperture 50W MR16, 40° FL

**Reflector trim:** C3MRGA



**Report no.:** 2710FR  
**Lamp:** 50W MR16  
 40° Flood  
**Max tilt:** 45°  
**Initial Lumens:** 800  
**Luminare beam:** 34°



### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 31 | 5.0'  | 4.2'  |
| 8'  | 4.6' | 18 | 6.7'  | 5.6'  |
| 10' | 5.8' | 11 | 8.4'  | 7.1'  |
| 12' | 6.9' | 8  | 10.1' | 8.5'  |
| 15' | 8.7' | 5  | 12.6' | 10.6' |

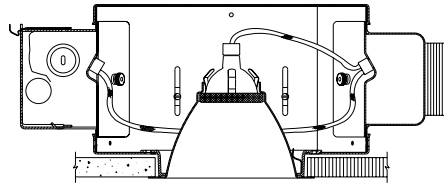
### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 79 | 6.8'  | 2.4' |
| 3' | 5.2'  | 36 | 10.2' | 3.7' |
| 4' | 6.9'  | 20 | 13.6' | 4.9' |
| 6' | 10.4' | 9  | 20.4' | 7.3' |
| 8' | 13.9' | 5  | 27.2' | 9.8' |



# 4 1/2" aperture

Evolution halogen MR16 downlight



**C4MRD** **CLW** trim with **C4LV** frame-in kit shown above. **Ceiling cutout: 5 1/16"**

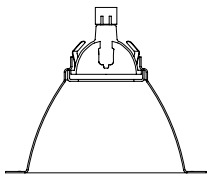
## How to specify

|                         |               |
|-------------------------|---------------|
| Trim kit                | Frame-in kit  |
| <b>C4MRD</b> <b>CLW</b> | <b>C4LVMU</b> |

| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Clear                 | CLW          | CLP             |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" | Champagne bronze      | CCZW         | CCZP            |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Gold                  | GDW          | GDP             |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | White                 | WHW          | N/A             |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | Black                 | BKW          | BKP             |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |

## 4 1/2" Aperture 73W MR16, 36° FL

Reflector trim: **C4MRD** **CLW**



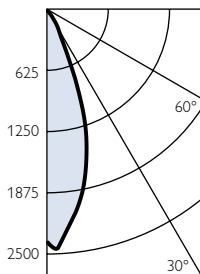
Report no.: 0881FR

Lamp: 73W MR16  
36° Flood

Initial lumens: 1320

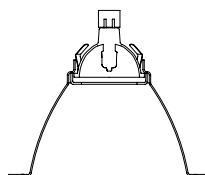
Efficiency: 74.4

%Spacing: 0.6



## 4 1/2" Aperture 50W MR16, 40° FL

Reflector trim: **C4MRD** **CLW**



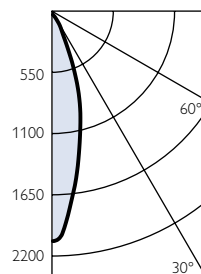
Report no.: 0931FR

Lamp: 50W MR16  
40° Flood

Initial lumens: 800

Efficiency: 84.3%

Spacing: 0.5



Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 154                              | 3'            |
| 6'                      | 64                               | 4'            |
| 8'                      | 39                               | 5'            |
| 10'                     | 25                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 127                              | 3'            |
| 6'                      | 57                               | 4'            |
| 8'                      | 32                               | 5'            |
| 10'                     | 21                               | 6'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

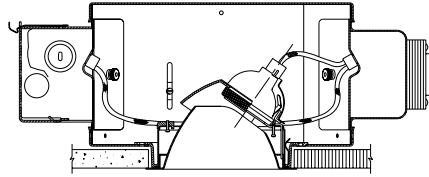
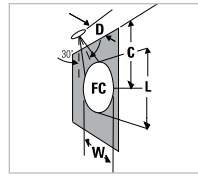
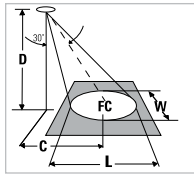
# 4 1/2" aperture

## Evolution halogen MR16 adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



**C4MRA** CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"



### How to specify

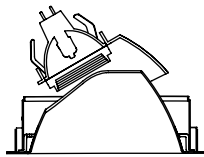
| Trim kit   | Frame-in kit  |
|--|---------------|
| <b>C4MRA</b> <span style="border: 1px solid black; padding: 2px;">CLW</span> | <b>C4LVMU</b> |

| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |

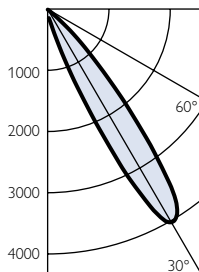
| Reflector finish      | White flange | Polished flange |
|-----------------------|--------------|-----------------|
| Clear                 | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |
| Champagne bronze      | CCZW         | CCZP            |
| Gold                  | GDW          | GDP             |
| White                 | WHW          | N/A             |
| Black                 | BKW          | BKP             |

### 4 1/2" Aperture 50W MR16, 15° NSP

**Reflector trim:** C4MRA CLW

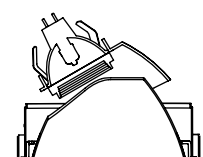


**Report no.:** 2742FR  
**Lamp:** 50W MR16  
 15° Narrow spot flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 750  
**Luminare beam:** 17°

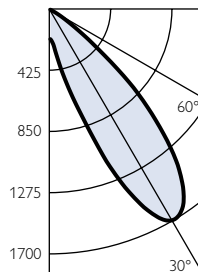


### 4 1/2" Aperture 50W MR16, 25° NFL

**Reflector trim:** C4MRA CLW

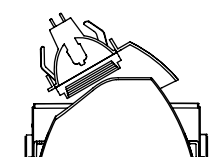


**Report no.:** 2749FR  
**Lamp:** 50W MR16  
 25° Narrow Flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 29°

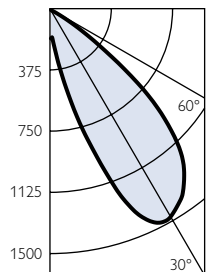


### 4 1/2" Aperture 50W MR16, 40° FL

**Reflector trim:** C4MRA CLW



**Report no.:** 2750FR  
**Lamp:** 50W MR16  
 40° Flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 35°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 73 | 2.4' | 2.1' |
| 8'  | 4.6' | 41 | 3.2' | 2.8' |
| 10' | 5.8' | 26 | 4.0' | 3.5' |
| 12' | 6.9' | 18 | 4.8' | 4.1' |
| 15' | 8.7' | 12 | 6.0' | 5.2' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 171 | 2.6'  | 1.2' |
| 3' | 5.2'  | 78  | 3.8'  | 1.8' |
| 4' | 6.9'  | 44  | 5.1'  | 2.4' |
| 6' | 10.4' | 20  | 7.7'  | 3.6' |
| 8' | 13.9' | 11  | 10.3' | 4.8  |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 32 | 4.2'  | 3.6' |
| 8'  | 4.6' | 18 | 5.6'  | 4.8' |
| 10' | 5.8' | 11 | 7.1'  | 6.0' |
| 12' | 6.9' | 8  | 8.5'  | 7.2' |
| 15' | 8.7' | 5  | 10.6' | 9.0' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 100 | 5.2'  | 2.1' |
| 3' | 5.2'  | 44  | 7.8'  | 3.1' |
| 4' | 6.9'  | 25  | 10.4' | 4.1' |
| 6' | 10.4' | 11  | 15.5' | 6.2' |
| 8' | 13.9' | 6   | 20.7' | 8.3' |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 30 | 5.2'  | 4.4'  |
| 8'  | 4.6' | 17 | 7.0'  | 5.8'  |
| 10' | 5.8' | 11 | 8.7'  | 7.3'  |
| 12' | 6.9' | 7  | 10.4' | 8.7'  |
| 15' | 8.7' | 4  | 13.0' | 10.9' |

#### 30° Aiming angle - Vertical surface

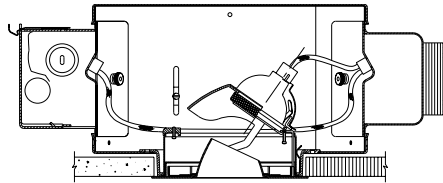
| D  | C     | FC  | L     | W     |
|----|-------|-----|-------|-------|
| 2' | 3.5'  | 100 | 7.2'  | 2.5'  |
| 3' | 5.2'  | 45  | 10.8' | 3.8'  |
| 4' | 6.9'  | 25  | 14.4' | 5.0'  |
| 6' | 10.4' | 11  | 21.6' | 7.6'  |
| 8' | 13.9' | 6   | 28.8' | 10.1' |





# 4 1/2" aperture

Evolution halogen MR16 2" pinhole adjustable accent



**C4MR2 [CLW]** trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

## How to specify

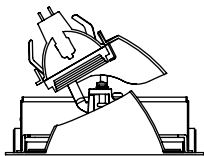
|                    |               |
|--------------------|---------------|
| Trim kit           | Frame-in kit  |
| <b>C4MR2 [CLW]</b> | <b>C4LVMU</b> |

| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  | 2" Reflector finish   | White Flange | Polished flange |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Clear                 | CLW          | CLP             |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" | Champagne bronze      | CCZW         | CCZP            |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Gold                  | GDW          | GDP             |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | White                 | WHW          | N/A             |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | Black                 | BKW          | BKP             |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |

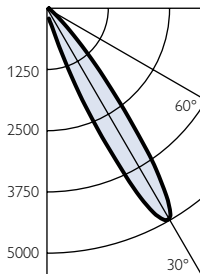
\*37W Max for C4MRP

### 2" Aperture 50W MR16 IR 10° SP

Reflector trim: **C4MR2 [CLW]**



**Report no.:** 2756FR  
**Lamp:** 50W MR16  
 10° Spot  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 1125  
**Luminare beam:** 16°



#### 30° Aiming angle - Horizontal surface

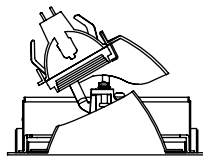
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 89 | 2.3' | 1.9' |
| 8'  | 4.6' | 50 | 3.0' | 2.6' |
| 10' | 5.8' | 32 | 3.8' | 3.2' |
| 12' | 6.9' | 22 | 4.5' | 3.9' |
| 15' | 8.7' | 14 | 5.7' | 4.9' |

#### 30° Aiming angle - Vertical surface

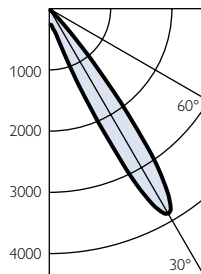
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 185 | 2.4' | 1.1' |
| 3' | 5.2'  | 84  | 3.6' | 1.7' |
| 4' | 6.9'  | 48  | 4.8' | 2.2' |
| 6' | 10.4' | 22  | 7.2' | 3.4' |
| 8' | 13.9' | 12  | 9.6' | 4.5' |

### 2" Aperture 50W MR16 IR 15° SP

Reflector trim: **C4MR2 [CLW]**



**Report no.:** 2743FR  
**Lamp:** 50W MR16  
 15° Spot  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 750  
**Luminare beam:** 14°



#### 30° Aiming angle - Horizontal surface

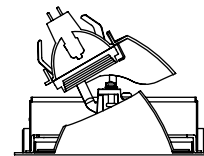
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 70 | 2.0' | 1.7' |
| 8'  | 4.6' | 39 | 2.6' | 2.3' |
| 10' | 5.8' | 25 | 3.3' | 2.8' |
| 12' | 6.9' | 17 | 3.9' | 3.4' |
| 15' | 8.7' | 11 | 4.9' | 4.3' |

#### 30° Aiming angle - Vertical surface

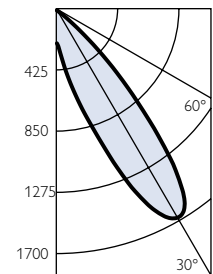
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 121 | 2.1' | 1.0' |
| 3' | 5.2'  | 54  | 3.1' | 1.5' |
| 4' | 6.9'  | 30  | 4.1' | 2.0' |
| 6' | 10.4' | 13  | 6.2' | 2.9' |
| 8' | 13.9' | 8   | 8.2' | 3.9' |

### 2" Aperture 50W MR16, 25° NFL

Reflector trim: **C4MR2 [CLW]**



**Report no.:** 2748FR  
**Lamp:** 50W MR16  
 25° Narrow Flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 25°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 31 | 3.6' | 3.1' |
| 8'  | 4.6' | 18 | 4.8' | 4.1' |
| 10' | 5.8' | 11 | 6.0' | 5.1' |
| 12' | 6.9' | 8  | 7.2' | 6.1' |
| 15' | 8.7' | 5  | 9.0' | 7.7' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 79 | 4.2'  | 1.8' |
| 3' | 5.2'  | 36 | 6.2'  | 2.7' |
| 4' | 6.9'  | 20 | 8.3'  | 3.5' |
| 6' | 10.4' | 9  | 12.5' | 5.3' |
| 8' | 13.9' | 5  | 16.6' | 7.1' |

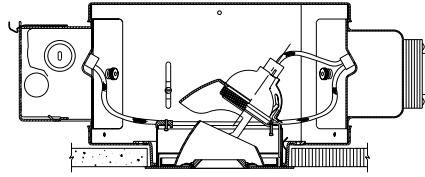
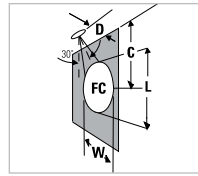
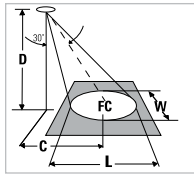
# 4 1/2" aperture

## Evolution halogen MR16 adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

**C4MRP BK** trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

### How to specify

|                 |               |
|-----------------|---------------|
| Trim kit        | Frame-in kit  |
| <b>C4MRP BK</b> | <b>C4LVMU</b> |

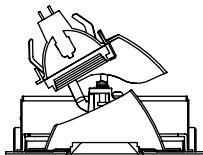
| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |

|                        |              |
|------------------------|--------------|
| 1 1/4" Aperture Finish | White Flange |
| White                  | WH           |
| Black                  | BK           |

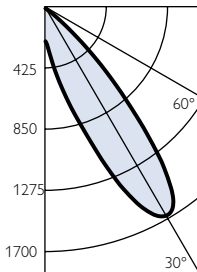
\*37W Max for C4MRP

### 1 1/4" pinhole 37W MR16 IR 10° SP

Reflector trim: **C4MRP BK**



**Report no.:** 2758FR  
**Lamp:** 37W MR16  
 10° Spot  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 840  
**Luminare beam:** 18°



#### 30° Aiming angle - Horizontal surface

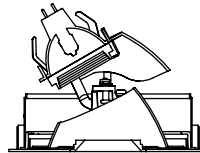
| D   | C    | FC | L    | W     |
|-----|------|----|------|-------|
| 6'  | 3.5' | 42 | 2.6' | 2.2'  |
| 8'  | 4.6' | 24 | 3.4' | 2.9'  |
| 10' | 5.8' | 15 | 4.3' | 3.7'  |
| 12' | 6.9' | 10 | 5.1' | 4.4'  |
| 15' | 8.7' | 7  | 6.4' | 5.5'' |

#### 30° Aiming angle - Vertical surface

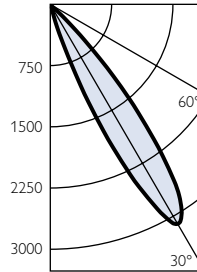
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 98 | 2.7'  | 1.3' |
| 3' | 5.2'  | 45 | 4.1'  | 1.9' |
| 4' | 6.9'  | 25 | 5.5'  | 2.5' |
| 6' | 10.4' | 11 | 8.2'  | 3.8' |
| 8' | 13.9' | 6  | 11.0' | 5.1' |

### 1 1/4" pinhole 50W MR16 IR 10° SP

Reflector trim: **C4MRP BK**



**Report no.:** 2755FR  
**Lamp:** 50W MR16  
 10° Spot  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 1125  
**Luminare beam:** 18°



#### 30° Aiming angle - Horizontal surface

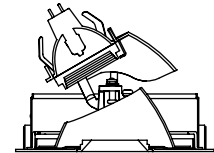
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 56 | 2.6' | 2.2' |
| 8'  | 4.6' | 32 | 3.4' | 2.9' |
| 10' | 5.8' | 20 | 4.3' | 3.7' |
| 12' | 6.9' | 14 | 5.1' | 4.4' |
| 15' | 8.7' | 9  | 6.4' | 5.5' |

#### 30° Aiming angle - Vertical surface

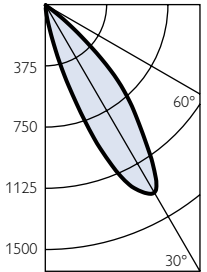
| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 131 | 2.7'  | 1.3' |
| 3' | 5.2'  | 60  | 4.1'  | 1.9' |
| 4' | 6.9'  | 34  | 5.5'  | 2.5' |
| 6' | 10.4' | 15  | 8.2'  | 3.8' |
| 8' | 13.9' | 9   | 11.0' | 5.1' |

### 1 1/4" pinhole 50W MR16, 25° NFL

Reflector trim: **C4MRP BK**



**Report no.:** 2747FR  
**Lamp:** 50W MR16  
 25° Narrow Flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 22°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 25 | 3.1' | 2.7' |
| 8'  | 4.6' | 14 | 4.2' | 3.6' |
| 10' | 5.8' | 9  | 5.2' | 4.5' |
| 12' | 6.9' | 6  | 6.3' | 5.4' |
| 15' | 8.7' | 4  | 7.9' | 6.7' |

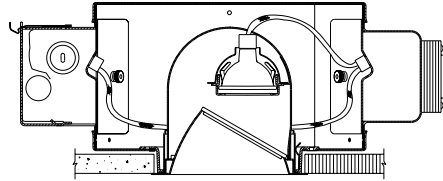
#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 62 | 3.5'  | 1.6' |
| 3' | 5.2'  | 28 | 5.3'  | 2.3' |
| 4' | 6.9'  | 16 | 7.0'  | 3.1' |
| 6' | 10.4' | 7  | 10.5' | 4.7' |
| 8' | 13.9' | 4  | 14.0' | 6.2' |



# 4 1/2" aperture

## Evolution halogen MR16 lensed wall washer



**C4MRL** **CLW** trim with **C4LV** frame-in kit shown above. **Ceiling cutout: 5 1/16"**

### How to specify

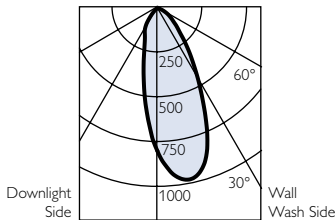
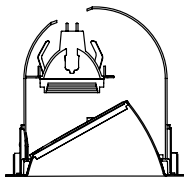
|                         |               |
|-------------------------|---------------|
| Trim kit                | Frame-in kit  |
| <b>C4MRL</b> <b>CLW</b> | <b>C4LVMU</b> |

| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Clear                 | CLW          | CLP             |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" | Champagne bronze      | CCZW         | CCZP            |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      | Gold                  | GDW          | GDP             |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | White                 | WHW          | N/A             |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      | Black                 | BKW          | BKP             |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |                       |              |                 |

### 4 1/2" Aperture 73W MR16, 36° FL

Reflector trim: **C4MRL** **CLW**

Report no.: 0825FR  
 Lamp: 73W MR16  
 36° Flood  
 Initial lumens: 1320



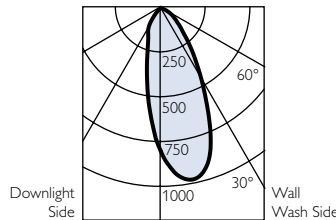
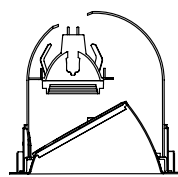
Multiple units Footcandles on wall

| Distance from ceiling in feet | 2' from Wall - 2' On Center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 10                          | 8  | 10 |
| 2'                            | 21                          | 18 | 21 |
| 3'                            | 24                          | 23 | 24 |
| 4'                            | 23                          | 22 | 23 |
| 5'                            | 19                          | 19 | 19 |
| 6'                            | 15                          | 15 | 15 |
| 7'                            | 12                          | 12 | 12 |
| 8'                            | 10                          | 10 | 10 |
| 9'                            | 8                           | 8  | 8  |

### 4 1/2" Aperture 50W MR16, 36° FL

Reflector trim: **C4MRL** **CLW**

Report no.: 0825FR  
 Lamp: 50W MR16  
 36° Flood  
 Initial lumens: 960



Multiple units Footcandles on wall

| Distance from ceiling in feet | 2' from Wall - 2' On Center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 8                           | 6  | 8  |
| 2'                            | 15                          | 13 | 15 |
| 3'                            | 17                          | 16 | 17 |
| 4'                            | 16                          | 16 | 16 |
| 5'                            | 14                          | 14 | 14 |
| 6'                            | 11                          | 11 | 11 |
| 7'                            | 9                           | 9  | 9  |
| 8'                            | 7                           | 7  | 7  |
| 9'                            | 6                           | 6  | 6  |

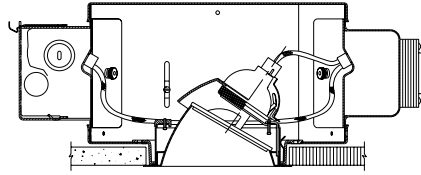
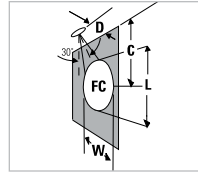
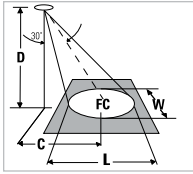
# 4 1/2" aperture

## Evolution halogen MR16 adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

**C4MRW** **CLW** trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

### How to specify

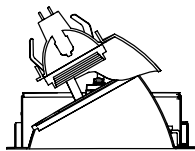
| Trim kit                | Frame-in kit  |
|-------------------------|---------------|
| <b>C4MRW</b> <b>CLW</b> | <b>C4LVMU</b> |

| Frame-in kits    | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  |
|------------------|----------------|------------|---------------|------|----------|---------|---------|---------|
| <b>C4LVMU</b>    | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4LVE1</b>    | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      |
| <b>C4LVE1RM</b>  | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" |
| <b>C4LVE2</b>    | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| <b>C4ALVMU</b>   | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4ALVE1</b>   | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| <b>C4AICLVM1</b> | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |
| <b>C4AICLVE1</b> | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |

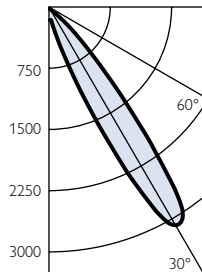
| Reflector finish      | White flange | Polished flange |
|-----------------------|--------------|-----------------|
| Clear                 | CLW          | CLP             |
| Comfort clear diffuse | CCDW         | CCDP            |
| Champagne bronze      | CCZW         | CCZP            |
| Gold                  | GDW          | GDP             |
| White                 | WHW          | N/A             |
| Black                 | BKW          | BKP             |

### 4 1/2" Aperture 50W MR16, 15° NSP

Reflector trim: **C4MRW** **CLW**



**Report no.:** 2852FR  
**Lamp:** 50W MR16  
 15° Narrow spot flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 750  
**Luminare beam:** 16°



#### 30° Aiming angle - Horizontal surface

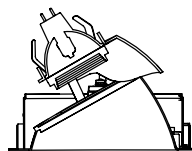
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 55 | 2.3' | 1.9' |
| 8'  | 4.6' | 31 | 3.0' | 2.6' |
| 10' | 5.8' | 20 | 3.8' | 3.2' |
| 12' | 6.9' | 14 | 4.5' | 3.9' |
| 15' | 8.7' | 9  | 5.7' | 4.9" |

#### 30° Aiming angle - Vertical surface

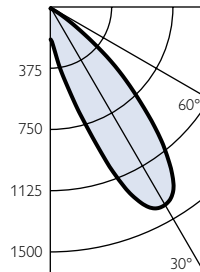
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 130 | 2.4' | 1.1' |
| 3' | 5.2'  | 60  | 3.6' | 1.7' |
| 4' | 6.9'  | 34  | 4.8' | 2.2' |
| 6' | 10.4' | 15  | 7.2' | 3.4' |
| 8' | 13.9' | 8   | 9.6' | 4.5' |

### 4 1/2" Aperture 50W MR16, 25° NFL

Reflector trim: **C4MRW** **CLW**



**Report no.:** 2853FR  
**Lamp:** 50W MR16  
 25° Narrow flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 29°



#### 30° Aiming angle - Horizontal surface

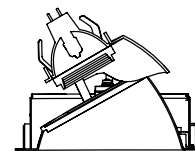
| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 27 | 4.2'  | 3.6' |
| 8'  | 4.6' | 15 | 5.6'  | 4.8' |
| 10' | 5.8' | 10 | 7.1'  | 6.0' |
| 12' | 6.9' | 7  | 8.5'  | 7.2' |
| 15' | 8.7' | 4  | 10.6' | 9.0' |

#### 30° Aiming angle - Vertical surface

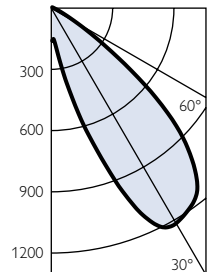
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 76 | 5.2'  | 2.1' |
| 3' | 5.2'  | 34 | 7.8'  | 3.1' |
| 4' | 6.9'  | 19 | 10.4' | 4.1' |
| 6' | 10.4' | 8  | 15.5' | 6.2' |
| 8' | 13.9' | 5  | 20.7' | 8.3' |

### 4 1/2" Aperture 50W MR16, 40° FL

Reflector trim: **C4MRW** **CLW**



**Report no.:** 2854FR  
**Lamp:** 50W MR16  
 40° Flood  
**Max tilt:** 45°  
 (35° with Remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 35°



#### 30° Aiming angle - Horizontal surface

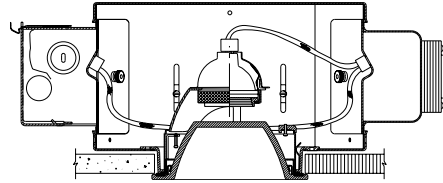
| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 24 | 5.2'  | 4.4'  |
| 8'  | 4.6' | 14 | 7.0'  | 5.8'  |
| 10' | 5.8' | 9  | 8.7'  | 7.3'  |
| 12' | 6.9' | 6  | 10.4' | 8.7'  |
| 15' | 8.7' | 4  | 13.0' | 10.9' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W     |
|----|-------|----|-------|-------|
| 2' | 3.5'  | 87 | 7.2'  | 2.5'  |
| 3' | 5.2'  | 39 | 10.8' | 3.8'  |
| 4' | 6.9'  | 22 | 14.4' | 5.0'  |
| 6' | 10.4' | 10 | 21.6' | 7.6'  |
| 8' | 13.9' | 5  | 28.8' | 10.1' |

# 4 1/2" aperture

## Evolution halogen MR16 Glasslite downlight



**C4MRGD trim with C4LV**  
frame-in kit shown above. **Ceiling cutout: 5 1/16"**

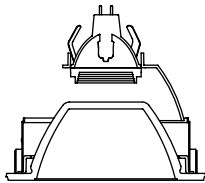
### How to specify

|          |              |
|----------|--------------|
| Trim kit | Frame-in kit |
| C4MRGD   | C4LVMU       |

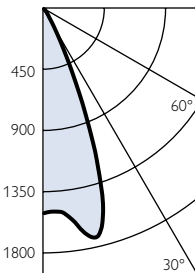
| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height  |
|---------------|----------------|------------|---------------|------|----------|---------|---------|---------|
| C4LVMU        | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| C4LVE1        | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"      |
| C4LVE1RM      | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5" 1/2" |
| C4LVE2        | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"      |
| C4ALVMU       | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| C4ALVE1       | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"      |
| C4AICLVM1     | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |
| C4AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"      |

### 4 1/2" Aperture 73W MR16, 36° FL

Reflector trim: C4MRGD



**Report no.:** 0884FR  
**Lamp:** 73W MR16  
36° Flood  
**Initial lumens:** 1320  
**Efficiency:** 65.9  
**%Spacing:** 0.6



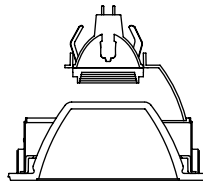
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 62                   |
| 5'                | 40                   |
| 6'                | 28                   |

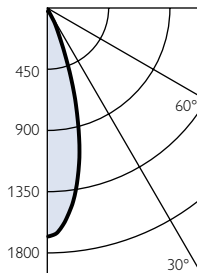
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 37W MR16, 40° FL

Reflector trim: C4MRGD



**Report no.:** 0911FR  
**Lamp:** 37W MR16  
40° Flood  
**Initial lumens:** 800  
**Efficiency:** 65.9 %  
**Spacing:** 0.5



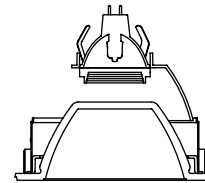
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 38                   |
| 5'                | 24                   |
| 6'                | 17                   |

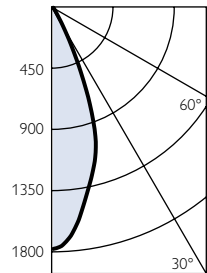
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 65W MR16, 40° FL

Reflector trim: C4MRGD



**Report no.:** 0993FR  
**Lamp:** 65W MR16  
40° Flood  
**Initial lumens:** 1100  
**Efficiency:** 67.8 %  
**Spacing:** 0.6



Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 53                   |
| 5'                | 34                   |
| 6'                | 24                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

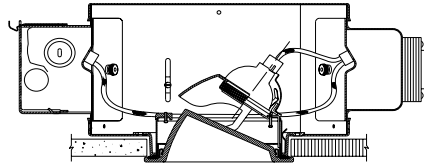
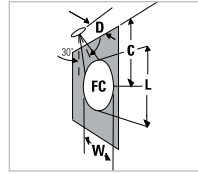
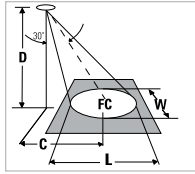
# 4 1/2" aperture

## Evolution halogen MR16 Glasslite adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandle at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

**C4MRGA CLW** trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

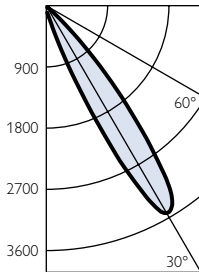
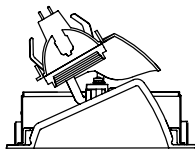
### How to specify

| Trim kit | Frame-in kit |
|----------|--------------|
| C4MRGA   | C4LVMU       |

| Frame-in kits | Type           | Ballast    | Input voltage | Lamp | Wattage  | Length  | Width   | Height |
|---------------|----------------|------------|---------------|------|----------|---------|---------|--------|
| C4LVMU        | Non-IC         | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"     |
| C4LVE1        | Non-IC         | Electronic | 120V          | MR16 | 42W-75W  | 14 1/4" | 12"     | 5"     |
| C4LVE1RM      | Non-IC         | Electronic | 120V          | MR16 | 50W Max. | 11 5/8" | 7"      | 5 1/2" |
| C4LVE2        | Non-IC AirSeal | Electronic | 277V          | MR16 | 42W-75W  | 14 3/8" | 12"     | 5"     |
| C4ALVMU       | Non-IC AirSeal | Magnetic   | 120V/277V     | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"     |
| C4ALVE1       | Non-IC AirSeal | Magnetic   | 120V          | MR16 | 42W-75W  | 14 3/8" | 9 5/8"  | 5"     |
| C4AICLVM1     | IC AirSeal     | Magnetic   | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"     |
| C4AICLVE1     | IC AirSeal     | Electronic | 120V          | MR16 | 20W-50W  | 22 3/8" | 10 1/8" | 9"     |

### 4 1/2" Aperture 50W MR16, 15° SP

**Reflector trim:** C4MRGA



**Report no.:** 2745FR  
**Lamp:** 50W MR16  
 15° Spot  
**Max tilt:** 45°  
 (35° with remodeler)  
**Initial lumens:** 750  
**Luminare beam:** 16°

#### 30° Aiming angle - Horizontal surface

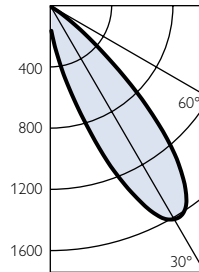
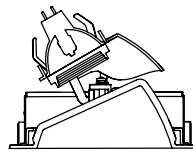
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 63 | 2.3' | 1.9' |
| 8'  | 4.6' | 36 | 3.0' | 2.6' |
| 10' | 5.8' | 23 | 3.8' | 3.2' |
| 12' | 6.9' | 16 | 4.5' | 3.9' |
| 15' | 8.7' | 10 | 5.7' | 4.9' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 151 | 2.4' | 1.1' |
| 3' | 5.2'  | 68  | 3.6' | 1.7' |
| 4' | 6.9   | 39  | 4.8' | 2.2' |
| 6' | 10.4' | 17  | 7.2' | 3.4' |
| 8' | 13.9' | 10  | 9.6' | 4.5' |

### 4 1/2" Aperture 50W MR16, 25° NFL

**Reflector trim:** C4MRGA



**Report no.:** 2746FR  
**Lamp:** 50W MR16  
 25° Narrow flood  
**Max tilt:** 45°  
 (35° with remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 28°

#### 30° Aiming angle - Horizontal surface

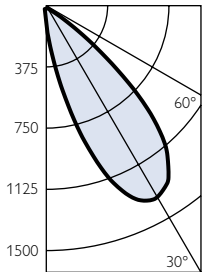
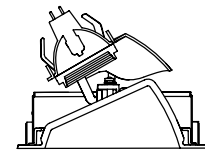
| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 30 | 4.1'  | 3.5' |
| 8'  | 4.6' | 17 | 5.4'  | 4.6' |
| 10' | 5.8' | 11 | 6.8'  | 5.8' |
| 12' | 6.9' | 7  | 8.1'  | 6.9' |
| 15' | 8.7' | 5  | 10.2' | 8.6' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 89 | 4.9'  | 2.0' |
| 3' | 5.2'  | 40 | 7.4'  | 3.0' |
| 4' | 6.9'  | 23 | 9.8'  | 4.0' |
| 6' | 10.4' | 10 | 14.7' | 6.0' |
| 8' | 13.9' | 6  | 19.6' | 8.0' |

### 4 1/2" Aperture 50W MR16, 40° FL

**Reflector trim:** C4MRGA



**Report no.:** 2753FR  
**Lamp:** 50W MR16  
 40° Flood  
**Max tilt:** 45°  
 (35° with remodeler)  
**Initial lumens:** 800  
**Luminare beam:** 34°

#### 30° Aiming angle - Horizontal surface

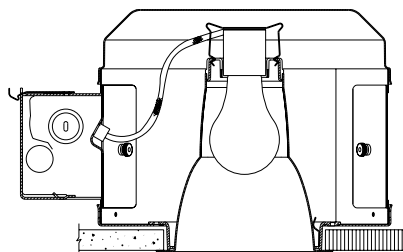
| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 27 | 5.0'  | 4.2'  |
| 8'  | 4.6' | 15 | 6.7'  | 5.6'  |
| 10' | 5.8' | 10 | 8.4'  | 7.1'  |
| 12' | 6.9' | 7  | 10.1' | 8.5'  |
| 15' | 8.7' | 4  | 12.6' | 10.6' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 86 | 6.8'  | 2.4' |
| 3' | 5.2'  | 39 | 10.2' | 3.7' |
| 4' | 6.9'  | 22 | 13.6' | 4.9' |
| 6' | 10.4' | 10 | 20.4' | 7.3' |
| 8' | 13.9' | 5  | 27.2' | 9.8' |

# 4 1/2" aperture

## Evolution incandescent downlight



**C4AD** **CLW** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

### How to specify

|                        |              |
|------------------------|--------------|
| Trim kit               | Frame-in kit |
| <b>C4AD</b> <b>CLW</b> | <b>C4120</b> |

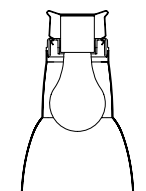
| Frame-in kits  | Type           | Input voltage | Lamp            | Lamp wattage       | Length  | Width  | Height | Reflector finish      | White flange | Polished flange |
|----------------|----------------|---------------|-----------------|--------------------|---------|--------|--------|-----------------------|--------------|-----------------|
| <b>C4120</b>   | Non-IC         | 120V          | A19, MB19, BT15 | 100W* Max. 12"     | 12"     | 9 1/2" | 7"     | Clear                 | CLW          | CLP             |
| <b>C4A120</b>  | Non-IC AirSeal | 120V          | A19, MB19, BT15 | 100W* Max. 12"     | 12"     | 9 1/2" | 7"     | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C4AIC</b>   | IC AirSeal     | 120V          | A19, MB19, BT15 | 75W** Max. 19"     | 19"     | 10"    | 9 1/4" | Champagne bronze      | CCZW         | CCZP            |
| <b>C4120RM</b> | Non-IC Remodel | 120V          | A19, MB19, BT15 | 100W* Max. 11 3/4" | 11 3/4" | 5 3/4" | 7 1/4" | Gold                  | GDW          | GDP             |
|                |                |               |                 |                    |         |        |        | White                 | WHW          | N/A             |

\* MB19 75W Max with C4ACW and C4ADW

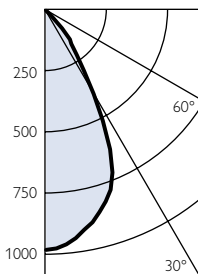
\*\* MB19 and BT15 60W Max with C4ACW and C4ADW

### 4 1/2" Aperture 100W A19

**Reflector trim:** C4AD **CLW**



**Report no.:** 0836FR  
**Lamp:** 100W A19  
**Initial lumens:** 1600  
**Efficiency:** 50.8%  
**Spacing:** 0.8



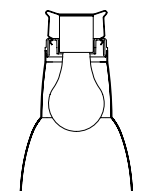
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 57                   |
| 5'                | 36                   |
| 6'                | 25                   |
| 7'                | 19                   |
| 8'                | 14                   |

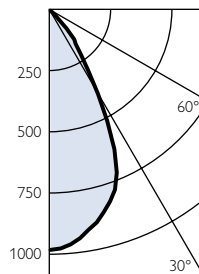
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 75W A19

**Reflector trim:** C4AD **CLW**



**Report no.:** 0836FR  
**Lamp:** 75W A19  
**Initial lumens:** 1200  
**Efficiency:** 50.8%  
**Spacing:** 0.8



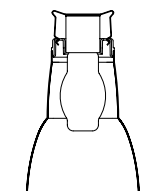
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 43                   |
| 5'                | 27                   |
| 6'                | 19                   |
| 7'                | 14                   |
| 8'                | 11                   |

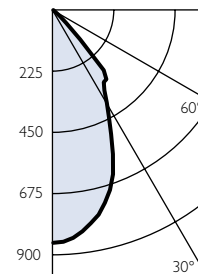
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 100W BT15

**Reflector trim:** C4AD **CLW**



**Report no.:** 0837FR  
**Lamp:** 100W BT15  
**Initial lumens:** 1880  
**Efficiency:** 43.3%  
**Spacing:** 0.9



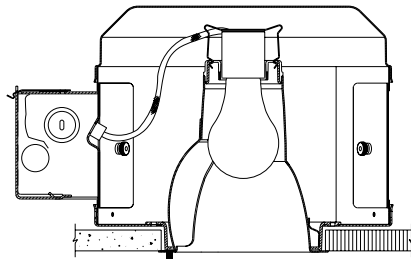
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 56                   |
| 5'                | 36                   |
| 6'                | 25                   |
| 7'                | 18                   |
| 8'                | 14                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 4 1/2" aperture

## Evolution incandescent open wall washer



**C4AW CLW** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"



### How to specify

|                   |              |
|-------------------|--------------|
| Trim kit          | Frame-in kit |
| <b>C4P30D CLW</b> | <b>C4120</b> |

| Frame-in kits  | Type           | Input voltage | Lamp            | Lamp wattage       | Length  | Width  | Height |
|----------------|----------------|---------------|-----------------|--------------------|---------|--------|--------|
| <b>C4120</b>   | Non-IC         | 120V          | A19, MB19, BT15 | 100W* Max. 12"     | 12"     | 9 1/2" | 7"     |
| <b>C4A120</b>  | Non-IC AirSeal | 120V          | A19, MB19, BT15 | 100W* Max. 12"     | 12"     | 9 1/2" | 7"     |
| <b>C4A1C</b>   | IC AirSeal     | 120V          | A19, MB19, BT15 | 75W** Max. 19"     | 19"     | 10"    | 9 1/4" |
| <b>C4120RM</b> | Non-IC Remodel | 120V          | A19, MB19, BT15 | 100W* Max. 11 3/4" | 11 3/4" | 5 3/4" | 7 1/4" |

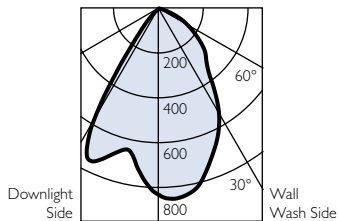
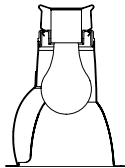
| Reflector finish       | White flange | Polished flange |
|------------------------|--------------|-----------------|
| Clear                  | CLW          | CLP             |
| Comfort clear diffuser | CCDW         | CCDP            |
| Champagne bronze       | CCZW         | CCZP            |
| Gold                   | GDW          | GDP             |
| White                  | WHW          | N/A             |

\* MB19 75W Max with C4ACW and C4ADW  
 \*\* MB19 and BT15 60W Max with C4ACW and C4ADW

### 4 1/2" Aperture 100W A19

**Reflector trim:** C4AW **CLW**

**Report no.:** 0840FR  
**Lamp:** 100W A19  
**Initial lumens:** 1600  
**Efficiency:** 56.0%



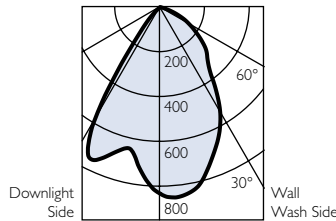
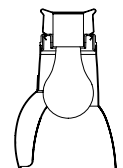
Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 5                           | 4  | 5  |
| 1'                            | 5                           | 4  | 5  |
| 2'                            | 15                          | 14 | 15 |
| 3'                            | 16                          | 16 | 16 |
| 4'                            | 14                          | 14 | 14 |
| 5'                            | 12                          | 12 | 12 |
| 6'                            | 11                          | 11 | 11 |
| 7'                            | 10                          | 10 | 10 |
| 8'                            | 8                           | 8  | 8  |
| 9'                            | 7                           | 7  | 7  |

### 4 1/2" Aperture 75W A19

**Reflector trim:** C4AW **CLW**

**Report no.:** 0840FR  
**Lamp:** 75W A19  
**Initial lumens:** 1200  
**Efficiency:** 56.0%



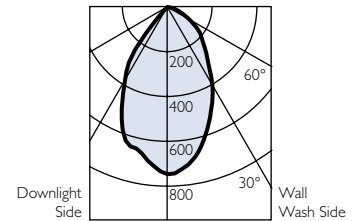
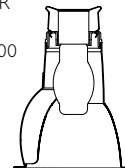
Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 3                           | 3  | 3  |
| 1'                            | 3                           | 3  | 3  |
| 2'                            | 11                          | 10 | 11 |
| 3'                            | 12                          | 12 | 12 |
| 4'                            | 10                          | 10 | 10 |
| 5'                            | 9                           | 9  | 9  |
| 6'                            | 8                           | 8  | 8  |
| 7'                            | 7                           | 7  | 7  |
| 8'                            | 6                           | 6  | 6  |
| 9'                            | 5                           | 5  | 5  |

### 4 1/2" Aperture 100W BT15

**Reflector trim:** C4AW **CLW**

**Report no.:** 0789FR  
**Lamp:** 100W BT15  
**Initial lumens:** 1800  
**Efficiency:** 42.6%



Multiple units Footcandles on wall

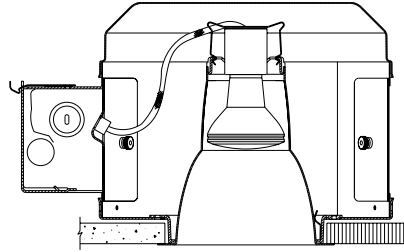
| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 7                           | 6  | 7  |
| 1'                            | 7                           | 6  | 7  |
| 2'                            | 13                          | 12 | 13 |
| 3'                            | 14                          | 14 | 14 |
| 4'                            | 13                          | 14 | 13 |
| 5'                            | 13                          | 13 | 13 |
| 6'                            | 11                          | 11 | 11 |
| 7'                            | 10                          | 10 | 10 |
| 8'                            | 9                           | 9  | 9  |
| 9'                            | 8                           | 8  | 8  |





# 4 1/2" aperture

## Evolution PAR16/20 halogen downlight



**C4P20D** **CLW** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

### How to specify

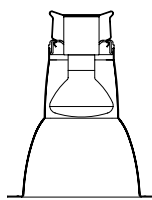
|                          |              |
|--------------------------|--------------|
| Trim kit                 | Frame-in kit |
| <b>C4P20D</b> <b>CLW</b> | <b>C4120</b> |

| Frame-in kits  | Type           | Input voltage | Lamp                    | Lamp wattage         | Length  | Width  | Height | Reflector finish               | White flange | Polished flange |
|----------------|----------------|---------------|-------------------------|----------------------|---------|--------|--------|--------------------------------|--------------|-----------------|
| <b>C4120</b>   | Non-IC         | 120V/277V     | PAR16, BR19, R20, PAR30 | 75W Max.<br>50W Max. | 12"     | 9 1/2" | 7"     | Clear<br>Comfort clear diffuse | CLW<br>CCDW  | CLP<br>CCDP     |
| <b>C4A120</b>  | Non-IC AirSeal | 120V          | PAR16, BR19, R20, PAR30 | 75W Max.<br>50W Max. | 12"     | 9 1/2" | 7"     | Champagne bronze<br>Gold       | CCZW<br>GDW  | CCZP<br>GDP     |
| <b>C4AIC</b>   | IC AirSeal     | 120V          | PAR16, BR19, R20, PAR30 | 75W Max.<br>50W Max. | 19"     | 10"    | 9 1/4" | White                          | WHW          | N/A             |
| <b>C4120RM</b> | Non-IC remodel | 120V          | PAR16, BR19, R20, PAR30 | 75W Max.<br>50W Max. | 11 3/4" | 5 3/4" | 7 1/4" |                                |              |                 |

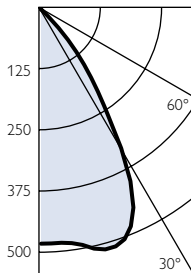
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. C4P30D trims utilize PAR30 lamps.

### 4 1/2" Aperture 75W R20, FL

**Reflector trim:** C4P20D **CLW**



**Report no.:** 0839FR  
**Lamp:** 75W R20  
**Initial lumens:** 650  
**Efficiency:** 84.7%  
**Spacing:** 1.1



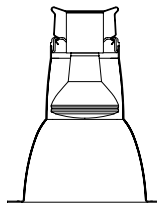
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 48                   |
| 5'                | 30                   |
| 6'                | 21                   |

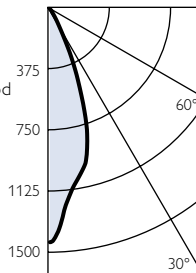
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 50W PAR20, 30° NFL

**Reflector trim:** C4P20D **CLW**



**Report no.:** 0838FR  
**Lamp:** 50W PAR20  
 30° Narrow Flood  
**Initial lumens:** 530  
**Efficiency:** 97.2%  
**Spacing:** 0.6



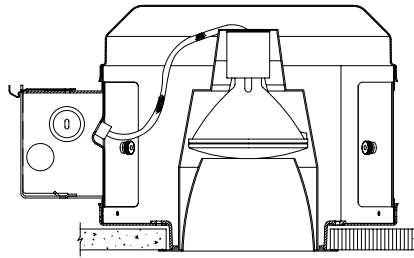
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 37                   |
| 5'                | 24                   |
| 6'                | 16                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 4 1/2" aperture

## Evolution PAR16/20 halogen open wall washer



**C4P30D CLW** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"



### How to specify

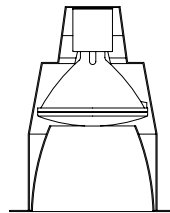
|                   |              |
|-------------------|--------------|
| Trim kit          | Frame-in kit |
| <b>C4P30D CLW</b> | <b>C4120</b> |

| Frame-in kits  | Type           | Input voltage | Lamp                             | Lamp wattage         | Length  | Width  | Height | Reflector finish               | White flange | Polished flange |
|----------------|----------------|---------------|----------------------------------|----------------------|---------|--------|--------|--------------------------------|--------------|-----------------|
| <b>C4120</b>   | Non-IC         | 120V/277V     | PAR16, BR19, R20, PAR30<br>PAR20 | 75W Max.<br>50W Max  | 12"     | 9 1/2" | 7"     | Clear<br>Comfort clear diffuse | CLW<br>CCDW  | CLP<br>CCDP     |
| <b>C4A120</b>  | Non-IC AirSeal | 120V          | PAR16, BR19, R20, PAR30<br>PAR20 | 75W Max.<br>50W Max  | 12"     | 9 1/2" | 7"     | Champagne bronze<br>Gold       | CCZW<br>GDW  | CCZP<br>GDP     |
| <b>C4AIC</b>   | IC AirSeal     | 120V          | PAR16, BR19, R20, PAR30<br>PAR20 | 75W Max.<br>50W Max  | 19"     | 10"    | 9 1/4" | White                          | WHW          | N/A             |
| <b>C4120RM</b> | Non-IC remodel | 120V          | PAR16, BR19, R20, PAR30<br>PAR20 | 75W Max.<br>50W Max. | 11 3/4" | 5 3/4" | 7 1/4" |                                |              |                 |

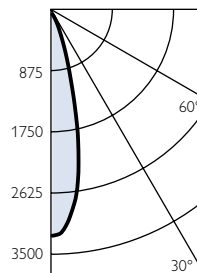
**C4P20W** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30W** trims utilize PAR30 lamps.

### 4 1/2" Aperture 75W PAR30, 40° FL

**Reflector trim:** C4P30D **CLW**



**Report no.:** 2001FR  
**Lamp:** 75W PAR30  
30° Flood  
**Initial lumens:** 1030  
**Efficiency:** 77.0%  
**Spacing:** 0.4



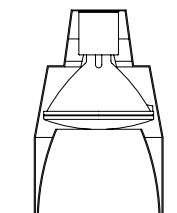
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 57                   |
| 5'                | 36                   |
| 6'                | 25                   |

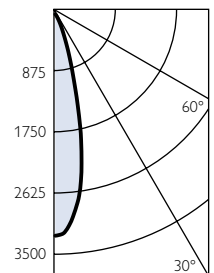
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 4 1/2" Aperture 50W PAR30, 40° FL

**Reflector trim:** C4P30D **CLW**



**Report no.:** 2001FR  
**Lamp:** 50W PAR30  
40° Flood  
**Initial lumens:** 687  
**Efficiency:** 77.0%  
**Spacing:** 0.4



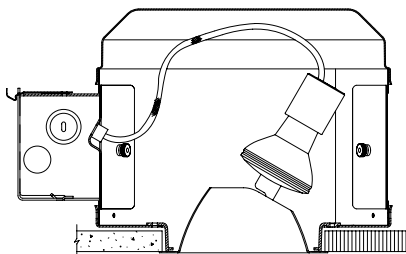
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 38                   |
| 5'                | 24                   |
| 6'                | 17                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 4 1/2" aperture

## Evolution PAR16/20 halogen adjustable accent



### How to specify

|                   |              |
|-------------------|--------------|
| Trim kit          | Frame-in kit |
| C4P20A <b>CLW</b> | C4120        |

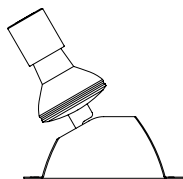
**C4P120 CLW** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

| Frame-in kits | Type           | Input voltage | Lamp           | Lamp wattage        | Length | Width  | Height | Reflector finish               | White flange | Polished flange |
|---------------|----------------|---------------|----------------|---------------------|--------|--------|--------|--------------------------------|--------------|-----------------|
| <b>C4120</b>  | Non-IC         | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" | 7"     | Clear<br>Comfort clear diffuse | CLW<br>CCDW  | CLP<br>CCDP     |
| <b>C4A120</b> | Non-IC AirSeal | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" | 7"     | Champagne bronze<br>Gold       | CCZW<br>GDW  | CCZP<br>GDP     |
| <b>C4AIC</b>  | IC AirSeal     | 120V          | PAR16<br>PAR20 | 75W Max.<br>60W Max | 19"    | 10"    | 9 1/4" | White                          | WHW          | N/A             |

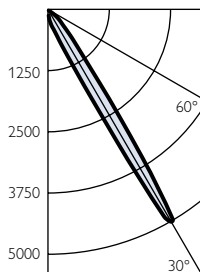
**C4P20D** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

### 4 1/2" Aperture 50W PAR20, 10° NSP

Reflector trim: C4P20A **CLW**



**Report no.:** 2760FR  
**Lamp:** 50W PAR20  
10° Narrow Spot  
**Max tilt:** 35°  
**Initial lumens:** 570  
**Luminare beam:** 7°



#### 30° Aiming angle - Horizontal surface

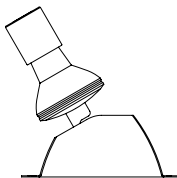
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 90 | 1.1' | 1.0' |
| 8'  | 4.6' | 51 | 1.5' | 1.3' |
| 10' | 5.8' | 32 | 1.9' | 1.6' |
| 12' | 6.9' | 23 | 2.2' | 1.9' |
| 15' | 8.7' | 14 | 2.8' | 2.4' |

#### 30° Aiming angle - Vertical surface

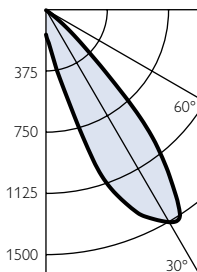
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 156 | 1.1' | 0.6' |
| 3' | 5.2'  | 69  | 1.7' | 0.8' |
| 4' | 6.9'  | 39  | 2.3' | 1.1' |
| 6' | 10.4' | 17  | 3.4' | 1.7' |
| 8' | 13.9' | 10  | 4.5' | 2.2' |

### 4 1/2" Aperture 50W PAR20, 30° NFL

Reflector trim: C4P20A **CLW**



**Report no.:** 2683FR  
**Lamp:** 50W PAR20  
30° Narrow Flood  
**Max tilt:** 35°  
**Initial lumens:** 550  
**Luminare beam:** 26°



#### 30° Aiming angle - Horizontal surface

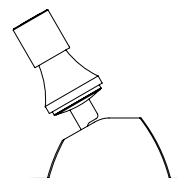
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 29 | 3.8' | 3.2' |
| 8'  | 4.6' | 16 | 5.0' | 4.3' |
| 10' | 5.8' | 10 | 6.3' | 5.3' |
| 12' | 6.9' | 7  | 7.5' | 6.4' |
| 15' | 8.7' | 5  | 9.4' | 8.0' |

#### 30° Aiming angle - Vertical surface

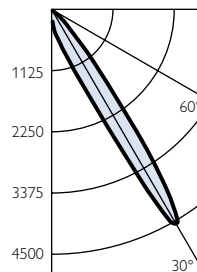
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 74 | 4.4'  | 1.8' |
| 3' | 5.2'  | 34 | 6.6'  | 2.8' |
| 4' | 6.9'  | 19 | 8.8'  | 3.7' |
| 6' | 10.4' | 8  | 13.2' | 5.5' |
| 8' | 13.9' | 5  | 17.6' | 7.4' |

### 4 1/2" Aperture 60W PAR16, 10° NSP

Reflector trim: C4P20A **CLW**



**Report no.:** 2762FR  
**Lamp:** 60W PAR16  
10° Narrow Spot  
**Max tilt:** 35°  
**Initial lumens:** 650  
**Luminare beam:** 11°



#### 30° Aiming angle - Horizontal surface

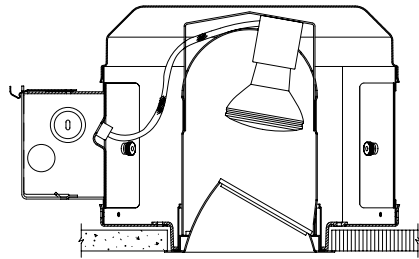
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 82 | 1.5' | 1.3' |
| 8'  | 4.6' | 46 | 2.1' | 1.8' |
| 10' | 5.8' | 30 | 2.6' | 2.2' |
| 12' | 6.9' | 21 | 3.1' | 2.7' |
| 15' | 8.7' | 13 | 3.9' | 3.3' |

#### 30° Aiming angle - Vertical surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 157 | 1.6' | 0.8' |
| 8'  | 4.6' | 73  | 2.4' | 1.2' |
| 10' | 5.8' | 41  | 3.2' | 1.5' |
| 12' | 6.9' | 19  | 4.8' | 2.3' |
| 15' | 8.7' | 10  | 6.3' | 3.1' |

# 4 1/2" aperture

## Evolution PAR16/20 halogen lensed wall washer



**C4P20L CLW** trim with **C4P120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"



### How to specify

| Trim kit          | Frame-in kit |                       |              |                 |  |  |  |  |  |  |
|-------------------|--------------|-----------------------|--------------|-----------------|--|--|--|--|--|--|
| <b>C4P20L CLW</b> | <b>C4120</b> |                       |              |                 |  |  |  |  |  |  |
|                   |              | Reflector finish      | White flange | Polished flange |  |  |  |  |  |  |
|                   |              | Clear                 | CLW          | CLP             |  |  |  |  |  |  |
|                   |              | Comfort clear diffuse | CCDW         | CCDP            |  |  |  |  |  |  |
|                   |              | Champagne bronze      | CCZW         | CCZP            |  |  |  |  |  |  |
|                   |              | Gold                  | GDW          | GDP             |  |  |  |  |  |  |
|                   |              | White                 | WHW          | N/A             |  |  |  |  |  |  |

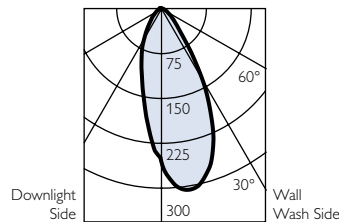
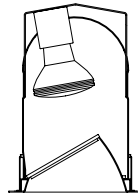
| Frame-in kits | Type           | Input voltage | Lamp  | Lamp wattage | Length | Width  | Height |
|---------------|----------------|---------------|-------|--------------|--------|--------|--------|
| <b>C4120</b>  | Non-IC         | 120V          | PAR16 | 75W Max.     | 12"    | 9 1/2" | 7"     |
|               |                |               | PAR20 | 50W Max      |        |        |        |
| <b>C4A120</b> | Non-IC AirSeal | 120V          | PAR16 | 75W Max.     | 12"    | 9 1/2" | 7"     |
|               |                |               | PAR20 | 50W Max      |        |        |        |
| <b>C4A1C</b>  | IC AirSeal     | 120V          | PAR16 | 75W Max.     | 19"    | 10"    | 9 1/4" |
|               |                |               | PAR20 | 60W Max      |        |        |        |

**C4P20D** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

### 4 1/2" Aperture 75W PAR16, 30° NFL

**Reflector trim:** C4P20L **CLW**

**Report no.:** 0852FR  
**Lamp:** 75W PAR16  
 30° Narrow Flood  
**Initial lumens:** 900



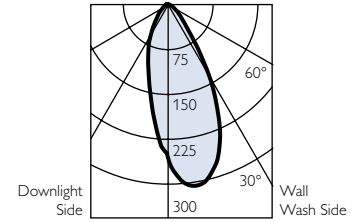
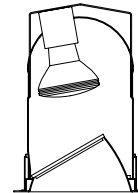
Multiple units Footcandles on wall

|                               | 3' from wall - 3' on center |        |    |    |
|-------------------------------|-----------------------------|--------|----|----|
|                               | ○                           | → 3' → | ○  |    |
| Distance from ceiling in feet | 1'                          | 4      | 4  | 4  |
|                               | 2'                          | 10     | 9  | 10 |
|                               | 3'                          | 12     | 11 | 12 |
|                               | 4'                          | 13     | 12 | 13 |
|                               | 5'                          | 11     | 11 | 11 |
|                               | 6'                          | 9      | 9  | 9  |
|                               | 7'                          | 7      | 7  | 7  |
|                               | 8'                          | 6      | 6  | 6  |
|                               | 9'                          | 5      | 5  | 5  |

### 4 1/2" Aperture 50W PAR20, 30° NFL

**Reflector trim:** C4P20L **CLW**

**Report no.:** 0851FR  
**Lamp:** 50W PAR20  
 30° Narrow Flood  
**Initial lumens:** 530



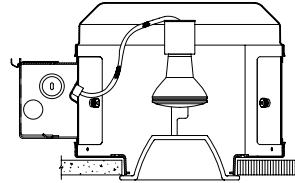
Multiple units Footcandles on wall

|                               | 2' from Wall - 3' On Center |        |   |   |
|-------------------------------|-----------------------------|--------|---|---|
|                               | ○                           | → 2' → | ○ |   |
| Distance from ceiling in feet | 1'                          | 2      | 2 | 2 |
|                               | 2'                          | 5      | 5 | 5 |
|                               | 3'                          | 7      | 6 | 7 |
|                               | 4'                          | 7      | 7 | 7 |
|                               | 5'                          | 6      | 6 | 6 |
|                               | 6'                          | 5      | 5 | 5 |
|                               | 7'                          | 4      | 4 | 4 |
|                               | 8'                          | 3      | 3 | 3 |
|                               | 9'                          | 3      | 3 | 3 |



# 4 1/2" aperture

Evolution PAR16/20 halogen Glasslite downlight



**C4P20GD** trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

## How to specify

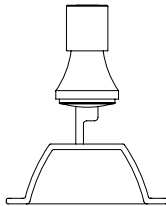
| Trim kit       | Frame-in kit |
|----------------|--------------|
| <b>C4P20GD</b> | <b>C4120</b> |

| Frame-in kits | Type           | Input voltage | Lamp           | Lamp wattage        | Length | Width  |
|---------------|----------------|---------------|----------------|---------------------|--------|--------|
| <b>C4120</b>  | Non-IC         | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" |
| <b>C4A120</b> | Non-IC AirSeal | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" |
| <b>C4A1C</b>  | IC AirSeal     | 120V          | PAR16<br>PAR20 | 75W Max.<br>60W Max | 19"    | 10"    |

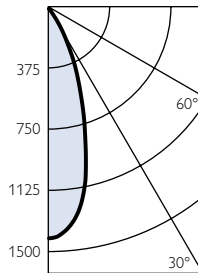
**C4P20D** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

## 4 1/2" Aperture 75W PAR16, 30°NFL

**Reflector trim:** C4MRD **CLW**



**Report no.:** 1567FR  
**Lamp:** 75W PAR16  
 30° Narrow Flood  
**Initial lumens:** 900  
**Efficiency:** 70.3%  
**Spacing:** 0.6



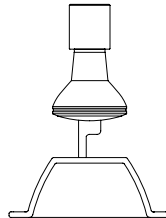
Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 89                               | 3'            |
| 6'                      | 40                               | 4'            |
| 8'                      | 22                               | 5'            |
| 10'                     | 14                               | 6'            |

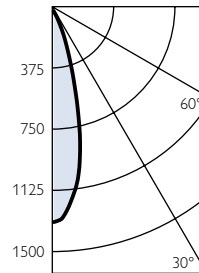
Beam diameter defined as point at which foot-candles drop to 50% of maximum

## 4 1/2" Aperture 50W PAR20, 30°NFL

**Reflector trim:** C4P20GD



**Report no.:** 1568FR  
**Lamp:** 50W PAR20 30°  
 Narrow Flood  
**Initial lumens:** 530  
**Efficiency:** 67.7%  
**Spacing:** 0.4



Single unit

| Height to lighted plane | Initial center beam foot-candles | Beam Diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 82                               | 2'            |
| 6'                      | 37                               | 3'            |
| 8'                      | 21                               | 4'            |
| 10'                     | 13                               | 5'            |

Beam diameter defined as point at which foot-candles drop to 50% of maximum

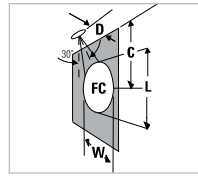
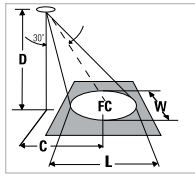
# 4 1/2" aperture

## Evolution PAR16/20 halogen Glasslite adjustable accent

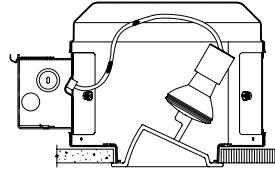
### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



**C4P20GA** trim with **C4120** frame-in kit shown above. frame-in kit shown above. **Ceiling cutout:** 5 1/16"



### How to specify

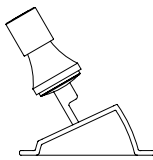
| Trim kit       | Frame-in kit |
|----------------|--------------|
| <b>C4P20GA</b> | <b>C4120</b> |

| Frame-in kits | Type           | Input voltage | Lamp           | Lamp wattage        | Length | Width  |
|---------------|----------------|---------------|----------------|---------------------|--------|--------|
| <b>C4120</b>  | Non-IC         | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" |
| <b>C4A120</b> | Non-IC AirSeal | 120V          | PAR16<br>PAR20 | 75W Max.<br>50W Max | 12"    | 9 1/2" |
| <b>C4AIC</b>  | IC AirSeal     | 120V          | PAR16<br>PAR20 | 75W Max.<br>60W Max | 19"    | 10"    |

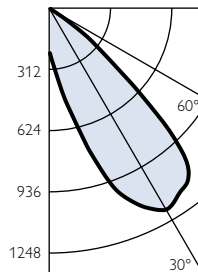
**C4P20D** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

### 4 1/2" Aperture 75W PAR16, 30° NFL

**Reflector trim:** C4P20GA



**Report no.:** 2835FR  
**Lamp:** 75W PAR16  
30° Narrow Flood  
**Max tilt:** 35°  
**Initial lumens:** 900  
**Luminare beam:** 34°



#### 30° Aiming angle - Horizontal surface

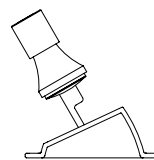
| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 23 | 5'    | 4.2'  |
| 8'  | 4.6' | 13 | 6.7'  | 5.6'  |
| 10' | 5.8' | 8  | 8.4'  | 7.1'  |
| 12' | 6.9' | 6  | 10.1' | 8.5'  |
| 15' | 8.7' | 4  | 12.6' | 10.6' |

#### 30° Aiming angle - Vertical surface

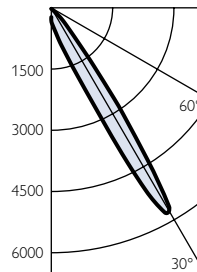
| D  | C     | FC | L     | W    |
|----|-------|----|-------|------|
| 2' | 3.5'  | 82 | 6.8'  | 2.4' |
| 3' | 5.2'  | 36 | 10.2' | 3.7' |
| 4' | 6.9'  | 21 | 13.6' | 4.9' |
| 6' | 10.4' | 9  | 20.4' | 7.3' |
| 8' | 13.9' | 5  | 27.2' | 9.8' |

### 4 1/2" Aperture 75W PAR16, 10° NSP

**Reflector trim:** C4P20GA



**Report no.:** 2834FR  
**Lamp:** 75W PAR16  
10° Narrow Spot  
**Max tilt:** 35°  
**Initial lumens:** 900  
**Luminare beam:** 10°



#### 30° Aiming angle - Horizontal surface

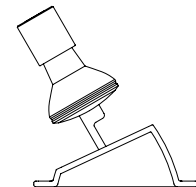
| D   | C    | FC | L    | W    |
|-----|------|----|------|------|
| 6'  | 3.5' | 97 | 1.4' | 1.2' |
| 8'  | 4.6' | 55 | 1.9' | 1.6' |
| 10' | 5.8' | 36 | 2.3' | 2'   |
| 12' | 6.9' | 25 | 2.8' | 2.4' |
| 15' | 8.7' | 16 | 3.5' | 3'   |

#### 30° Aiming angle - Vertical surface

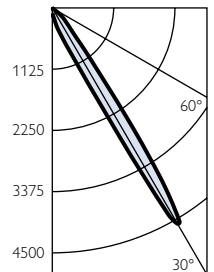
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 186 | 1.4' | 0.7' |
| 3' | 5.2'  | 86  | 2.1' | 1'   |
| 4' | 6.9'  | 49  | 2.9' | 1.4' |
| 6' | 10.4' | 22  | 4.3' | 2.1' |
| 8' | 13.9' | 12  | 5.7' | 2.8' |

### 4 1/2" Aperture 50W MR20, 10° NSP

**Reflector trim:** C4P20GA



**Report no.:** 2820FR  
**Lamp:** 50W MR20  
40° Narrow Spot  
**Max tilt:** 35°  
**Initial lumens:** 570  
**Luminare beam:** 8°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W     |
|-----|------|----|-------|-------|
| 6'  | 3.5' | 27 | 5.0'  | 4.2'  |
| 8'  | 4.6' | 15 | 6.7'  | 5.6'  |
| 10' | 5.8' | 10 | 8.4'  | 7.1'  |
| 12' | 6.9' | 7  | 10.1' | 8.5'  |
| 15' | 8.7' | 4  | 12.6' | 10.6' |

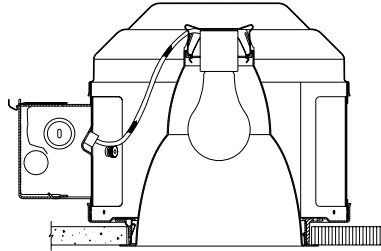
#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 140 | 1.1' | 0.6' |
| 3' | 5.2'  | 66  | 1.7' | 0.8' |
| 4' | 6.9'  | 37  | 2.3' | 1.1' |
| 6' | 10.4' | 17  | 3.4' | 1.7' |
| 8' | 13.9' | 10  | 4.5' | 2.2' |



# 6" aperture

## Evolution incandescent downlight



**C6AD trim with C6120**  
frame-in kit shown above. **Ceiling cutout: 6 11/16"**

### How to specify

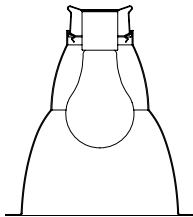
|                 |              |
|-----------------|--------------|
| Trim kit        | Frame-in kit |
| C6AD <b>CLW</b> | C6120        |

| Frame-in kits | Type            | Input voltage | Lamp            | Lamp wattage | Length | Width  | Height | Reflector finish      | White flange | Polished flange |
|---------------|-----------------|---------------|-----------------|--------------|--------|--------|--------|-----------------------|--------------|-----------------|
| C6120         | Non-IC          | 120V          | A19, BT15, MB19 | 100W Max.    | 12"    | 9 1/2" | 7"     | Clear                 | CLW          | CLP             |
| C6A120        | Non-IC AirSeal  | 120V          | A19, BT15, MB19 | 100W Max.    | 12"    | 9 1/2" | 7"     | Comfort clear diffuse | CCDW         | CCDP            |
| C6AIC         | IC AirSeal      | 120V          | A19, BT15, MB19 | 100W Max.    | 12"    | 9 1/2" | 7"     | Champagne bronze      | CCZW         | CCZP            |
| C6D120        | Non-IC Deep     | 120V          | A21             | 200W* Max.   | 19"    | 10"    | 9 1/4" | Gold                  | GDW          | GDP             |
| C6DA120       | Non-IC AirSeal  | 120V          | A21             | 200W* Max.   | 19"    | 10"    | 9 1/4" | White                 | WHW          | N/A             |
| C6DAIC        | Deep            | 120V          | A21             | 200W* Max.   | 19"    | 10"    | 9 1/4" |                       |              |                 |
|               | IC AirSeal Deep | 120V          | A21             | 200W* Max.   | 19"    | 10"    | 9 1/4" |                       |              |                 |

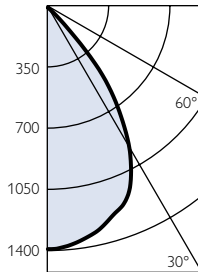
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. C4P30D trims utilize PAR30 lamps.

### 6" Aperture 150W A21

Reflector trim: C6AD **CLW**



**Report no.:** 0833FR  
**Lamp:** 150W A21  
**Initial Lumens:**2780  
**Efficiency:** 56.4%  
**Spacing:** 1.0



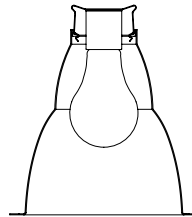
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 109                  |
| 5'                | 70                   |
| 6'                | 49                   |
| 7'                | 36                   |
| 8'                | 27                   |

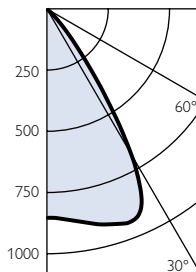
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" Aperture 100W A19

Reflector trim: C6AD **CLW**



**Report no.:** 0834FR  
**Lamp:** 100W A19  
**Initial Lumens:**1600  
**Efficiency:** 64.3%  
**Spacing:** 1.0



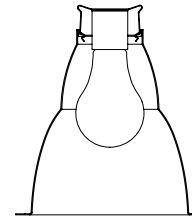
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 72                   |
| 5'                | 46                   |
| 6'                | 32                   |
| 7'                | 24                   |
| 8'                | 18                   |

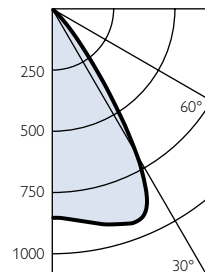
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" Aperture 75W A19

Reflector trim: C6AD **CLW**



**Report no.:** 0834FR  
**Lamp:** 75W A19  
**Initial Lumens:**1200  
**Efficiency:** 64.3%  
**Spacing:** 1.0



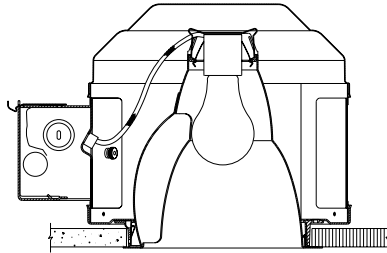
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 54                   |
| 5'                | 35                   |
| 6'                | 24                   |
| 7'                | 18                   |
| 8'                | 14                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 6" aperture

## Evolution incandescent open wall washer



**C6AW CLW** trim with **C6P120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"



### How to specify

| Trim kit        | Frame-in kit |
|-----------------|--------------|
| C6AW <b>CLW</b> | <b>C6120</b> |
| C6AW (single)   |              |
| C6ACW (corner)  |              |
| C6ADW (double)  |              |

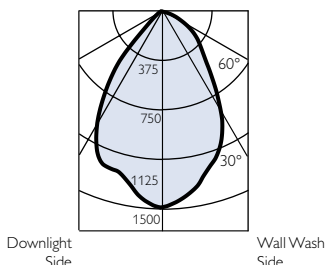
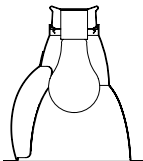
| Frame-in kits  | Type                | Input voltage | Lamp            | Lamp wattage | Length | Width  | Height | Reflector finish      | White flange | Polished flange |
|----------------|---------------------|---------------|-----------------|--------------|--------|--------|--------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC              | 120V          | A19, BT15, MB19 | 100W Max.    | 12"    | 9 1/2" | 7"     | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal      | 120V          | A19, BT15, MB19 | 100W Max.    |        |        |        | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal          | 120V          | A19, BT15, MB19 | 100W Max.    | 12"    | 9 1/2" | 7"     | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep         | 120V          | A21             | 200W* Max.   |        |        |        | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal Deep | 120V          | A21             | 200W* Max.   | 19"    | 10"    | 9 1/4" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | IC AirSeal Deep     | 120V          | A21             | 200W* Max.   |        |        |        |                       |              |                 |

**C4P20D** trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

### 6" Aperture 150W A21

**Reflector trim:** C6AW **CLW**

**Report no.:** 0850FR  
**Lamp:** 150W A21  
**Initial lumens:** 2780



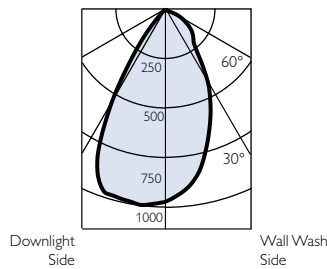
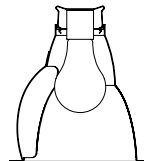
Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 13                          | 12 | 13 |
| 2'                            | 25                          | 23 | 25 |
| 3'                            | 25                          | 23 | 25 |
| 4'                            | 22                          | 22 | 22 |
| 5'                            | 21                          | 21 | 21 |
| 6'                            | 19                          | 19 | 19 |
| 7'                            | 17                          | 16 | 17 |
| 8'                            | 14                          | 14 | 14 |
| 9'                            | 12                          | 13 | 12 |

### 6" Aperture 100W A19

**Reflector trim:** C6AW **CLW**

**Report no.:** 0900FR  
**Lamp:** 100W A19  
**Initial lumens:** 1600



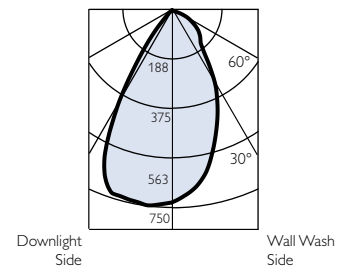
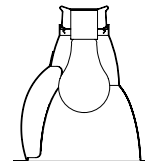
Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 6                           | 5  | 6  |
| 2'                            | 16                          | 15 | 16 |
| 3'                            | 16                          | 15 | 16 |
| 4'                            | 13                          | 12 | 13 |
| 5'                            | 12                          | 12 | 12 |
| 6'                            | 11                          | 11 | 11 |
| 7'                            | 10                          | 9  | 10 |
| 8'                            | 9                           | 9  | 9  |
| 9'                            | 8                           | 8  | 8  |

### 6" Aperture 75W A19

**Reflector trim:** C6AW **CLW**

**Report no.:** 0900FR  
**Lamp:** 75W A19  
**Initial lumens:** 1200



Multiple units Footcandles on wall

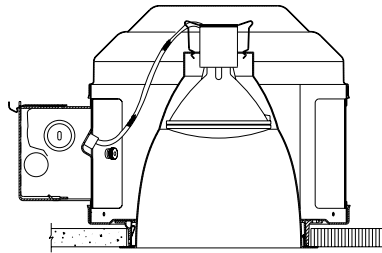
| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 5                           | 4  | 5  |
| 2'                            | 12                          | 11 | 12 |
| 3'                            | 12                          | 11 | 12 |
| 4'                            | 10                          | 9  | 10 |
| 5'                            | 9                           | 9  | 9  |
| 6'                            | 8                           | 8  | 8  |
| 7'                            | 8                           | 8  | 8  |
| 8'                            | 7                           | 7  | 7  |
| 9'                            | 6                           | 6  | 6  |





# 6" aperture

## Evolution PAR30/38 halogen downlight



**C6P30D** **CLW** trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

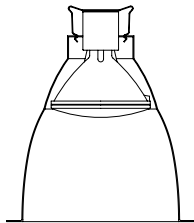
### How to specify

|                          |              |
|--------------------------|--------------|
| Trim kit                 | Frame-in kit |
| <b>C6P30D</b> <b>CLW</b> | <b>C6120</b> |

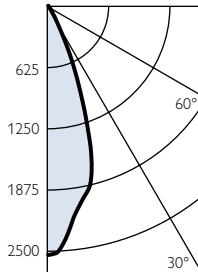
| Frame-in kits  | Type                    | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|-------------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC                  | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal          | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal              | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep             | 120V          | PAR 38 | 250W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal          | 120V          | PAR 38 | 250W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | Deep<br>IC AirSeal Deep | 120V          | PAR 38 | 120W Max. | 22 3/8" | 13 1/2" | 11 1/4" |                       |              |                 |

### 6" Aperture 75W PAR30, 35° FL

**Reflector trim:** C6P30D **CLW**



**Report no.:** 0867FR  
**Lamp:** 75W PAR30  
 35° Flood  
**Initial lumens:** 1030  
**Efficiency:** 94.7%  
**Spacing:** 0.6



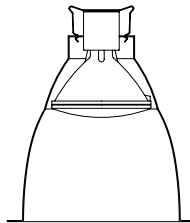
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 70                   |
| 5'                | 44                   |
| 6'                | 31                   |

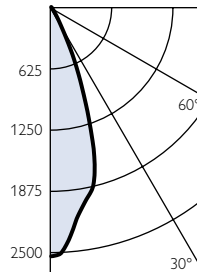
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" Aperture 50W PAR30, 35° FL

**Reflector trim:** C6P30D **CLW**



**Report no.:** 0867FR  
**Lamp:** 50W PAR30  
 35° Flood  
**Initial lumens:** 687  
**Efficiency:** 94.7%  
**Spacing:** 0.6



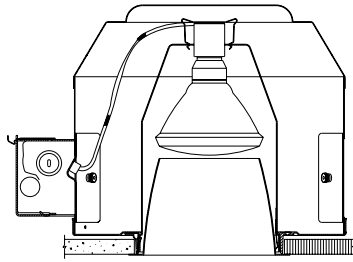
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 47                   |
| 5'                | 29                   |
| 6'                | 21                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 6" aperture

## Evolution PAR30/38 halogen open wall washer



**C6P38D CLW** trim with **C6D120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"



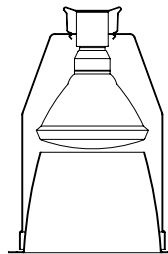
### How to specify

| Trim kit          | Frame-in kit  |
|-------------------|---------------|
| <b>C6P38D CLW</b> | <b>C6D120</b> |

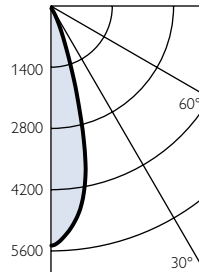
| Frame-in kits  | Type                 | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|----------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC               | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal       | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal           | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep          | 120V          | PAR 38 | 250W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal       | 120V          | PAR 38 | 250W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | Deep IC AirSeal Deep | 120V          | PAR 38 | 120W Max. | 22 3/8" | 13 1/2" | 11 1/4" |                       |              |                 |

### 6" Aperture 120W PAR38, 30° FL

**Reflector trim:** C6P38D **CLW**



**Report no.:** 0863FR  
**Lamp:** 120W PAR38  
 30° Flood  
**Initial lumens:** 1900  
**Efficiency:** 80.4%  
**Spacing:** 0.5



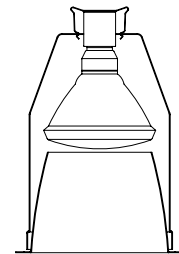
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 109                  |
| 5'                | 70                   |
| 6'                | 49                   |

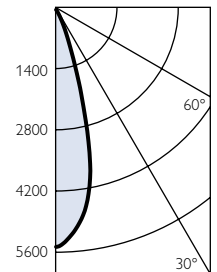
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

### 6" Aperture 90W PAR38, 30° FL

**Reflector trim:** C6P38D **CLW**



**Report no.:** 0863FR  
**Lamp:** 90W PAR38  
 30° Flood  
**Initial lumens:** 1425  
**Efficiency:** 80.4%  
**Spacing:** 0.5



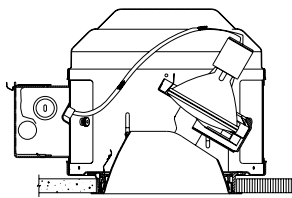
Multiple unit data – RCR 1

| Spacing on center | Initial foot-candles |
|-------------------|----------------------|
| 4'                | 82                   |
| 5'                | 53                   |
| 6'                | 37                   |

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

# 6" aperture

## Evolution PAR30/38 halogen adjustable accent



**C6P30A** **CLW** trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

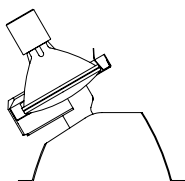
### How to specify

|                          |              |
|--------------------------|--------------|
| Trim kit                 | Frame-in kit |
| <b>C6P30A</b> <b>CLW</b> | <b>C6120</b> |

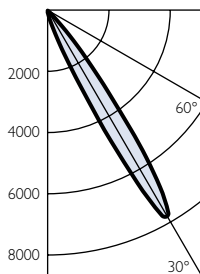
| Frame-in kits  | Type                 | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|----------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC               | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal       | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6AIC</b>   | IC AirSeal           | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep          | 120V          | PAR 38 | 250W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal Deep  | 120V          | PAR 38 | 250W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DAIC</b>  | Deep IC AirSeal Deep | 120V          | PAR 38 | 120W Max. | 22 3/8" | 13 1/2" | 11 1/4" | Black                 | BKW          | BKP             |

### 6" Aperture 50W PAR30, 11° SP

Reflector trim: **C6P30A** **CLW**



**Report no.:** 2788FR  
**Lamp:** 50W PAR30  
 11° Spot  
**Max tilt:** 35°  
**Initial lumens:** 660  
**Luminare beam:** 11°



#### 30° Aiming angle - Horizontal surface

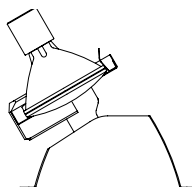
| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 128 | 1.5' | 1.3' |
| 8'  | 4.6' | 74  | 2.1' | 1.8' |
| 10' | 5.8' | 48  | 2.9' | 2.2' |
| 12' | 6.9' | 33  | 2.1' | 2.7' |
| 15' | 8.7' | 21  | 3.9' | 3.3' |

#### 30° Aiming angle - Vertical surface

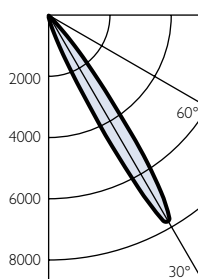
| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 255 | 1.6' | 0.8' |
| 3' | 5.2'  | 123 | 2.4' | 1.2' |
| 4' | 6.9'  | 71  | 3.2' | 1.5' |
| 6' | 10.4' | 32  | 4.8' | 2.3' |
| 8' | 13.9' | 18  | 6.3' | 3.1' |

### 6" Aperture 75W PAR30, 25° NFL

Reflector trim: **C6P30A** **CLW**



**Report no.:** 2766FR  
**Lamp:** 75W PAR30  
 25° Narrow flood  
**Max tilt:** 35°  
**Initial lumens:** 1130  
**Luminare beam:** 31°



#### 30° Aiming angle - Horizontal surface

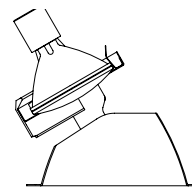
| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 38 | 4.6'  | 3.8' |
| 8'  | 4.6' | 22 | 6.1'  | 5.1' |
| 10' | 5.8' | 14 | 7.6'  | 6.4' |
| 12' | 6.9' | 10 | 9.1'  | 7.7' |
| 15' | 8.7' | 6  | 11.4' | 9.6' |

#### 30° Aiming angle - Vertical surface

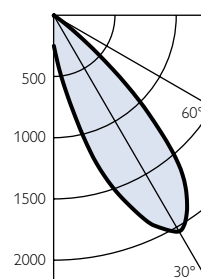
| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 109 | 5.8'  | 2.2' |
| 3' | 5.2'  | 50  | 8.7'  | 3.3' |
| 4' | 6.9'  | 28  | 11.5' | 4.4' |
| 6' | 10.4' | 13  | 17.3' | 6.7' |
| 8' | 13.9' | 7   | 23.1' | 8.9' |

### 6" Aperture 60W PAR30, 25° NFL

Reflector trim: **C6P30A** **CLW**



**Report no.:** 2766FR  
**Lamp:** 60W PAR30  
 25° Narrow flood  
**Max tilt:** 35°  
**Initial lumens:** 860  
**Luminare beam:** 31°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC | L     | W    |
|-----|------|----|-------|------|
| 6'  | 3.5' | 38 | 4.6'  | 3.8' |
| 8'  | 4.6' | 22 | 6.1'  | 5.1' |
| 10' | 5.8' | 14 | 7.6'  | 6.4' |
| 12' | 6.9' | 10 | 9.1'  | 7.7' |
| 15' | 8.7' | 6  | 11.4' | 9.6' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 109 | 5.8'  | 2.2' |
| 3' | 5.2'  | 50  | 8.7'  | 3.3' |
| 4' | 6.9'  | 28  | 11.5' | 4.4' |
| 6' | 10.4' | 13  | 17.3' | 6.7' |
| 8' | 13.9' | 7   | 23.1' | 8.9' |

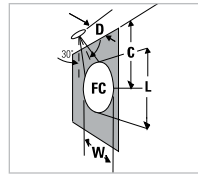
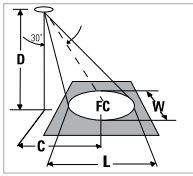
# 6" aperture

## Evolution PAR30/38 halogen Glasslite adjustable accent

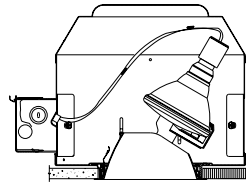
### 30° Aiming angle

Horizontal surface

Vertical surface



**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



**C6P38A** trim with **C6D120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"



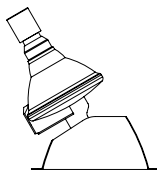
### How to specify

| Trim kit      | Frame-in kit  |
|---------------|---------------|
| <b>C4P38A</b> | <b>C6D120</b> |

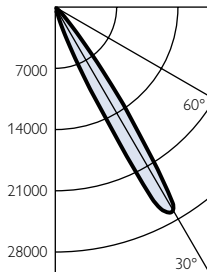
| Frame-in kits  | Type                | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|---------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC              | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal      | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal          | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep         | 120V          | PAR 38 | 250W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal Deep | 120V          | PAR 38 | 250W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | IC AirSeal Deep     | 120V          | PAR 38 | 120W Max. | 22 3/8" | 13 1/2" | 11 1/4" | Black                 | BKW          | BKP             |

### 6" Aperture 100W PAR38 IR, 10° NSP

Reflector trim: C4P38A  CLW

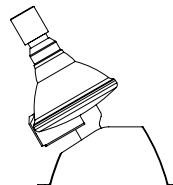


**Report no.:** 2790FR  
**Lamp:** 100W PAR38 IR  
 10° Narrow spot flood  
**Max tilt:** 40°  
**Initial lumens:** 2030  
**Luminare beam:** 11°

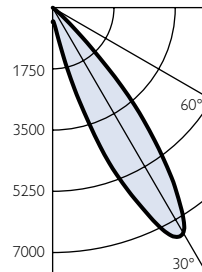


### 6" Aperture 100W PAR38 IR, 25° FL

Reflector trim: C4P38A  CLW

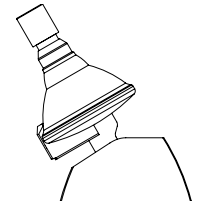


**Report no.:** 2789FR  
**Lamp:** 100W PAR38 IR  
 25° Flood  
**Max tilt:** 40°  
**Initial lumens:** 2030  
**Luminare beam:** 22°

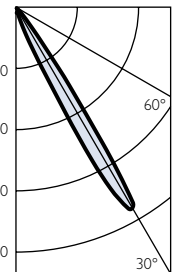


### 6" Aperture 90W PAR38, 9° NSP

Reflector trim: C4P38A  CLW



**Report no.:** 2791FR  
**Lamp:** 90W PAR38 IR  
 9° Narrow spot  
**Max tilt:** 40°  
**Initial lumens:** 1310  
**Luminare beam:** 9°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 466 | 1.5' | 1.3' |
| 8'  | 4.6' | 268 | 2.1' | 1.8' |
| 10' | 5.8' | 173 | 2.6' | 2.2' |
| 12' | 6.9' | 121 | 3.1' | 2.7' |
| 15' | 8.7' | 78  | 3.9' | 3.3' |

#### Aiming angle - Vertical surface

| D  | C     | FC  | L    | W     |
|----|-------|-----|------|-------|
| 2' | 3.5'  | 814 | 1.6' | 0.8'  |
| 3' | 5.2'  | 393 | 2.4' | 1.2'  |
| 4' | 6.9'  | 227 | 3.2' | 1.5'  |
| 6' | 10.4' | 103 | 4.8' | 2.3'  |
| 8' | 13.9' | 58  | 6.3' | 3.1'' |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 139 | 3.1' | 2.7' |
| 8'  | 4.6' | 79  | 4.2' | 3.6' |
| 10' | 5.8' | 51  | 5.2' | 4.5' |
| 12' | 6.9' | 35  | 6.3' | 5.4' |
| 15' | 8.7' | 23  | 7.9' | 6.7' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L     | W    |
|----|-------|-----|-------|------|
| 2' | 3.5'  | 293 | 3.5'  | 1.6' |
| 3' | 5.2'  | 135 | 5.3'  | 2.3' |
| 4' | 6.9'  | 77  | 7.0'  | 3.1' |
| 6' | 10.4' | 34  | 10.5' | 4.7' |
| 8' | 13.9' | 19  | 14.0' | 6.2  |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC  | L    | W     |
|-----|------|-----|------|-------|
| 6'  | 3.5' | 307 | 1.3' | .1'   |
| 8'  | 4.6' | 177 | 1.7' | 1.5'  |
| 10' | 5.8' | 115 | 2.1' | 1.8'  |
| 12' | 6.9' | 80  | 2.5' | 2.2'  |
| 15' | 8.7' | 52  | 3.2' | 2.7'' |

#### 30° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 520 | 1.3' | 0.6' |
| 3' | 5.2'  | 256 | 1.9' | 0.9' |
| 4' | 6.9'  | 149 | 2.6' | 1.3' |
| 6' | 10.4' | 68  | 3.8' | 1.9' |
| 8' | 13.9' | 38  | 5.1' | 2.5  |

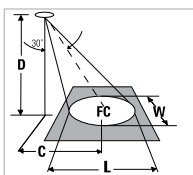
# 6" aperture

## Evolution PAR30/38 halogen lensed wall washer

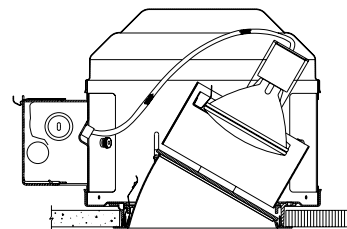
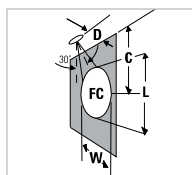


### 30° Aiming angle

Horizontal surface



Vertical surface



**C6P30L** **CLW** trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

### How to specify

|                          |              |
|--------------------------|--------------|
| Trim kit                 | Frame-in kit |
| <b>C6P30L</b> <b>CLW</b> | <b>C6120</b> |

| Frame-in kits  | Type                | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|---------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC              | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal      | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal          | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep         | 120V          | PAR 38 | 120W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal Deep | 120V          | PAR 38 | 120W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | IC AirSeal Deep     | 120V          | PAR 38 | 90W Max.  | 22 3/8" | 13 1/2" | 11 1/4" | Black                 | BKW          | BKP             |

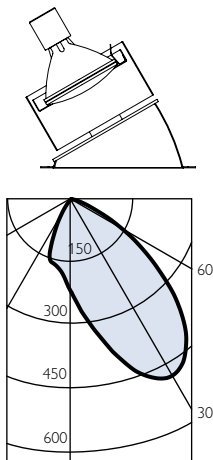
### 6" Aperture 75W PAR30, 40° FL

**Reflector trim:** C6P30L **CLW**

**Report no.:** 0929FR

**Lamp:** 75W PAR30  
40° Flood

**Initial lumens:** 1100



Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |              |              |
|-------------------------------|-----------------------------|--------------|--------------|
|                               | 1' from wall                | 3' from wall | 5' from wall |
| 1'                            | 4                           | 3            | 4            |
| 2'                            | 10                          | 8            | 10           |
| 3'                            | 15                          | 12           | 15           |
| 4'                            | 17                          | 14           | 17           |
| 5'                            | 15                          | 14           | 15           |
| 6'                            | 12                          | 12           | 12           |
| 7'                            | 10                          | 10           | 10           |
| 8'                            | 8                           | 8            | 8            |
| 9'                            | 6                           | 6            | 6            |

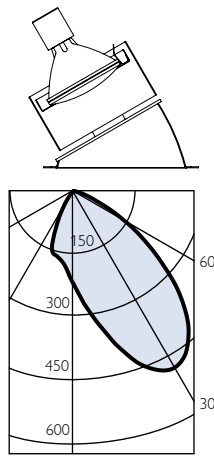
### 6" Aperture 50W PAR30, 40° FL

**Reflector trim:** C6P30L **CLW**

**Report no.:** 0929FR

**Lamp:** 50W PAR30  
40° Flood

**Initial lumens:** 660

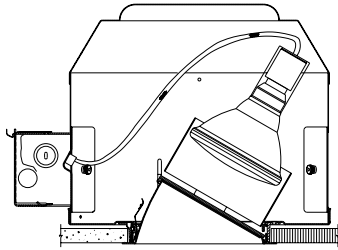


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |              |              |
|-------------------------------|-----------------------------|--------------|--------------|
|                               | 1' from wall                | 3' from wall | 5' from wall |
| 1'                            | 2                           | 2            | 2            |
| 2'                            | 6                           | 5            | 6            |
| 3'                            | 9                           | 7            | 9            |
| 4'                            | 10                          | 8            | 10           |
| 5'                            | 9                           | 8            | 9            |
| 6'                            | 7                           | 7            | 7            |
| 7'                            | 6                           | 6            | 6            |
| 8'                            | 5                           | 5            | 5            |
| 9'                            | 4                           | 2            | 4            |

# 6" aperture

## Evolution PAR30/38 halogen lensed wall washer



**C6P38L** **CLW** trim with **C6D120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"



### How to specify

|                          |               |
|--------------------------|---------------|
| Trim kit                 | Frame-in kit  |
| <b>C6P38L</b> <b>CLW</b> | <b>C6D120</b> |

| Frame-in kits  | Type                | Input voltage | Lamp   | Wattage   | Length  | Width   | Height  | Reflector finish      | White flange | Polished flange |
|----------------|---------------------|---------------|--------|-----------|---------|---------|---------|-----------------------|--------------|-----------------|
| <b>C6120</b>   | Non-IC              | 120V          | PAR 30 | 75W Max.  | 12 3/8" | 12 1/2" | 8"      | Clear                 | CLW          | CLP             |
| <b>C6A120</b>  | Non-IC AirSeal      | 120V          | PAR 30 | 75W Max.  | 14 3/8" | 9 1/2"  | 8"      | Comfort clear diffuse | CCDW         | CCDP            |
| <b>C6A1C</b>   | IC AirSeal          | 120V          | PAR 30 | 75W Max.  | 19"     | 10"     | 9 1/4"  | Champagne bronze      | CCZW         | CCZP            |
| <b>C6D120</b>  | Non-IC Deep         | 120V          | PAR 38 | 120W Max. | 15 3/8" | 15 3/4" | 10 3/8" | Gold                  | GDW          | GDP             |
| <b>C6DA120</b> | Non-IC AirSeal Deep | 120V          | PAR 38 | 120W Max. | 15 1/2" | 12 1/4" | 10 3/8" | White                 | WHW          | N/A             |
| <b>C6DA1C</b>  | IC AirSeal Deep     | 120V          | PAR 38 | 90W Max.  | 22 3/8" | 13 1/2" | 11 1/4" | Black                 | BKW          | BKP             |

### 6" Aperture 120W PAR38, 50° WFL

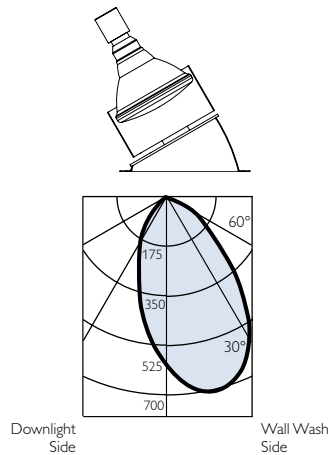
**Reflector trim:** C6P38L **CLW**

**Report no.:** 0927FR

**Lamp:** 120W PAR38

50° Wide Flood

**Initial lumens:** 1900



Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 9                           | 7  | 9  |
| 2'                            | 16                          | 14 | 20 |
| 3'                            | 20                          | 18 | 20 |
| 4'                            | 19                          | 19 | 19 |
| 5'                            | 17                          | 16 | 17 |
| 6'                            | 14                          | 14 | 14 |
| 7'                            | 11                          | 11 | 11 |
| 8'                            | 9                           | 9  | 9  |
| 9'                            | 7                           | 7  | 7  |

### 6" Aperture 90W PAR38, 50° WFL

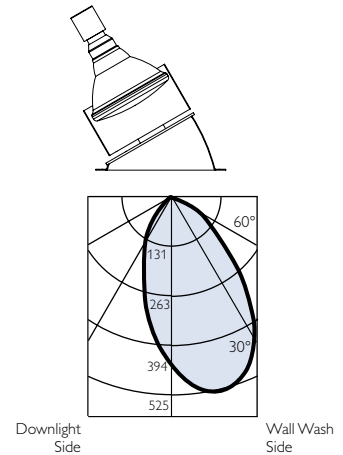
**Reflector trim:** C6P38L **CLW**

**Report no.:** 0927FR

**Lamp:** 90W PAR38

50° Wide Flood

**Initial lumens:** 1425



Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall - 3' on center |    |    |
|-------------------------------|-----------------------------|----|----|
|                               | 1'                          | 2' | 3' |
| 1'                            | 7                           | 5  | 7  |
| 2'                            | 12                          | 11 | 12 |
| 3'                            | 15                          | 14 | 15 |
| 4'                            | 14                          | 14 | 14 |
| 5'                            | 13                          | 12 | 13 |
| 6'                            | 11                          | 11 | 11 |
| 7'                            | 8                           | 8  | 8  |
| 8'                            | 7                           | 7  | 7  |
| 9'                            | 5                           | 5  | 5  |



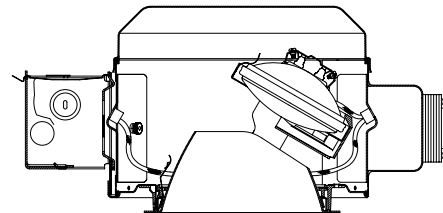
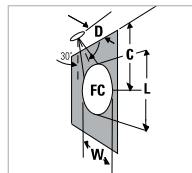
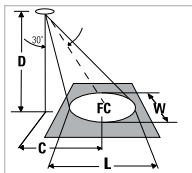
# 6" aperture

## Evolution AR111/ PAR36 halogen adjustable accent

### 30° Aiming angle

Horizontal surface

Vertical surface



### How to specify

|                   |              |
|-------------------|--------------|
| Trim kit          | Frame-in kit |
| C6P36A <b>CLW</b> | C6LV         |

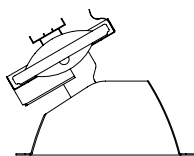
**FC** is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

**C6P36A **CLW**** trim with **C6LV** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

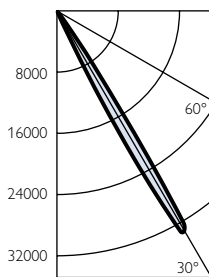
| Frame-in kits | Type           | Transformer | Input Voltage | Lamp wattage  | Length   | Width   | Height | Reflector finish      | White flange | Polished flange |
|---------------|----------------|-------------|---------------|---------------|----------|---------|--------|-----------------------|--------------|-----------------|
| C6LV          | Non-IC         | Magnetic    | 120/277V      | PAR36 (12.0V) | 35W-50W  | 15 3/4" | 9 1/2" | Clear                 | CLW          | CLP             |
|               |                |             |               | PAR36 (5.5V)  | 25W Max. |         |        | Comfort clear diffuse | CCDW         | CCDP            |
| C6ALV         | Non-IC AirSeal | Magnetic    | 120V          | PAR36 (12.0V) | 35W-50W  | 15 3/4" | 9 1/2" | Champagne bronze      | CCZW         | CCZP            |
|               |                |             |               | PAR36 (5.5V)  | 25W Max. |         |        | Gold                  | GDW          | GDP             |
|               |                |             |               | AR111 (12.0V) | 35W-75W  |         |        | White                 | WHW          | N/A             |
| C6AICLV       | IC AirSeal     | Magnetic    | 120V          | PAR36 (12.0V) | 35W-50W  | 19"     | 10"    |                       |              |                 |
|               |                |             |               | PAR36 (5.5V)  | 25W Max. |         |        |                       |              |                 |
|               |                |             |               | AR111 (12.0V) | 35W-75W  |         |        |                       |              |                 |

### 6" Aperture 50W AR111, 8° SP

Reflector trim: C6P36A **CLW**

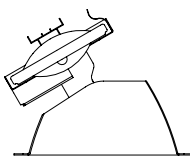


**Report no.:** 2795FR  
**Lamp:** 50W AR111  
 8° Spot  
**Max tilt:** 35°  
**Initial lumens:** 550  
**Luminare beam:** 6°

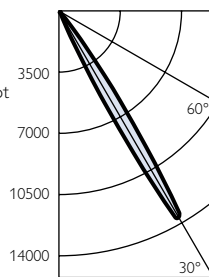


### 6" Aperture 50W PAR36, 6° NSP

Reflector trim: C6P36A **CLW**



**Report no.:** 2794FR  
**Lamp:** 50W PAR36  
 6° Narrow Spot  
**Max tilt:** 35°  
**Initial lumens:** 700  
**Luminare beam:** 7°



#### 30° Aiming angle - Horizontal surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 437 | 0.8' | 0.7' |
| 8'  | 4.6' | 253 | 1.1' | 1.0' |
| 10' | 5.8' | 164 | 1.4' | 1.2' |
| 12' | 6.9' | 115 | 1.7' | 1.5' |
| 15' | 8.7' | 74  | 2.1' | 1.8' |

#### 1.8° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 732 | 0.8' | 0.4' |
| 3' | 5.2'  | 371 | 1.3' | 0.6' |
| 4' | 6.9'  | 218 | 1.7' | 0.8' |
| 6' | 10.4' | 100 | 2.5' | 1.3' |
| 8' | 13.9' | 57  | 3.4' | 1.7' |

#### 30° Aiming angle - Horizontal surface

| D   | C    | FC  | L    | W    |
|-----|------|-----|------|------|
| 6'  | 3.5' | 197 | 1.0' | 0.8' |
| 8'  | 4.6' | 114 | 1.3' | 1.1' |
| 10' | 5.8' | 74  | 1.6' | 1.4' |
| 12' | 6.9' | 52  | 2.0' | 1.7' |
| 15' | 8.7' | 33  | 2.4' | 2.1' |

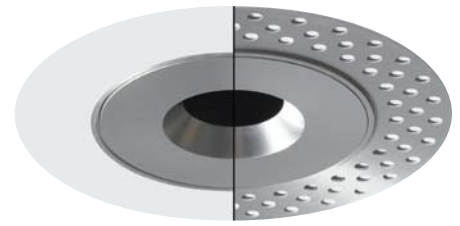
#### 1.8° Aiming angle - Vertical surface

| D  | C     | FC  | L    | W    |
|----|-------|-----|------|------|
| 2' | 3.5'  | 353 | 1.0' | 0.5' |
| 3' | 5.2'  | 176 | 1.5' | 0.7' |
| 4' | 6.9'  | 103 | 2.0' | 1.0' |
| 6' | 10.4' | 47  | 3.0' | 1.5' |
| 8' | 13.9' | 27  | 4.0' | 2.0' |

# Evolution

## Options and accessories

**Compact fluorescent conversion kit** Converts previously installed incandescent Frame-In Kits to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculite conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output. Separate ballast attaches to the previously installed frame. Socket cup snaps onto fluorescent reflectors for correct lamp focus. Electronic Ballast for 120 volts only. Soft, non-pulsating starting down to 0°F.

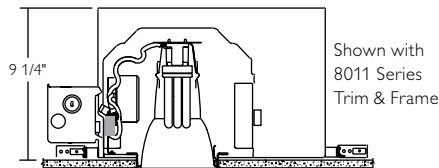
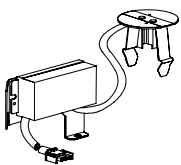


CA3FMR 3" Evolution flangeless trim accessory Ring

Machined aluminum accessory ring (ordered separately) is used with 3" aperture flangeless trims (FT suffix) to provide a flush custom installation. After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished.

## 4 1/2" Aperture, IC conversion kit

### 18 Watt Triple Tube



For photometric information, see separate trim specification sheets.

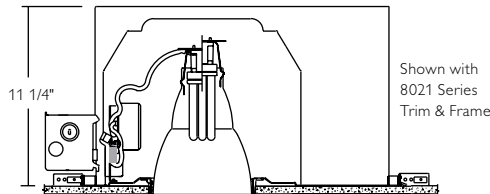
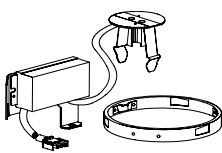
### How to specify:

| Frame        | Conversion Kit | Trim          | Description                      |
|--------------|----------------|---------------|----------------------------------|
| <b>C4AIC</b> | <b>C4CFL18</b> | <b>8011</b>   | Vertical Triple Tube Downlight   |
| <b>C4AIC</b> | <b>C4CFL18</b> | <b>8011WW</b> | Vertical Triple Tube Wall Washer |

**Note:** Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal)

## 6" Aperture, IC conversion kit

### 26 or 32 Watt Triple Tube



For photometric information, see separate trim specification sheets.

### How to Specify:

| Frame         | Conversion Kit | Trim          | Description                      |
|---------------|----------------|---------------|----------------------------------|
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8021</b>   | Vertical Triple Tube Downlight   |
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8021WW</b> | Vertical Triple Tube Wall Washer |
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8091</b>   | Lensed Downlight                 |
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8091CB</b> | Cross Blade Downlight            |
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8046</b>   | Lensed Wall Washer               |
| <b>C6DAIC</b> | <b>C6CFL32</b> | <b>8031</b>   | Horizontal Triple Tube Downlight |

**Note:** Also compatible with C6D120 (Non-IC) and C6DA120 (Non-IC Airseal)

## Pinhole finishes



SA Satin aluminum

Satin Aluminum, knife-edged pinhole aperture with matching flange.



BK Black

Matte Black, knife-edged pinhole aperture with matte white flange.



WH White

Matte White, knife-edged pinhole aperture with matching flange.

## Evolution 2" thick ceiling adapters (4 1/2" & 6")

### C4TCA2

| Frames           | Trims                                       |
|------------------|---|
| <b>C4LVMU</b>    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW, |
| <b>C4AICLVM1</b> | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW, |
| <b>C4ALVMU</b>   | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW  |
| <b>C4LVE1</b>    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW, |
| <b>C4LVE2</b>    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW  |

### C4TCA

| Frames        | Trims                    |
|---------------|--------------------------|
| <b>C4120</b>  | C4P20A, C4P20GD, C4P20GA |
| <b>C4A120</b> | C4P20A, C4P20GD, C4P20GA |
| <b>C4AIC</b>  | C4P20A, C4P20GD, C4P20GA |

**Note:** Max Wattage allowed may be restricted with the use of Thick Ceiling Adapters. See specification sheets for details.

### C6TCAA

For use with Evolution 6" aperture ADJUSTABLE ACCENT fixtures  
Compatibility Matrix

| Frames  | Trims  |
|---------|--------|
| C6LV    | C6P36A |
| C6ALV   | C6P36A |
| C6AICLV | C6P36A |
| C6120   | C6P30A |
| C6A120  | C6P30A |
| C6D120  | C6P38A |
| C6DA120 | C6P38A |
| C6AIC*  | C6P30A |
| C6DAIC* | C6P38A |

\*No Thru Circuit Wiring

### C6TCAD

For use with Evolution 6" aperture DOWNLIGHT fixtures  
Compatibility Matrix

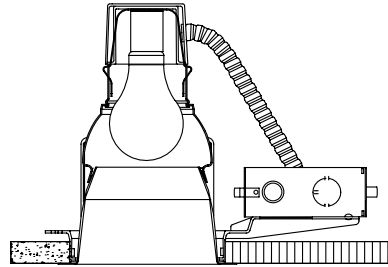
| Frames  | Trims              |
|---------|--------------------|
| C6120   | C6AD, C6P30D, C6AW |
| C6A120  | C6AD, C6P30D, C6AW |
| C6D120  | C6AD, C6P38D, C6AW |
| C6DA120 | C6AD, C6P38D, C6AW |
| C6AIC   | C6AD, C6P30D, C6AW |
| C6DAIC  | C6AD, C6P38D, C6AW |





# 4 1/2", 6" & 7 1/2" aperture

Open downlights - incandescent A lamp



A7053 trim with A400 frame-in kit shown above.

## How to specify

|                  |              |
|------------------|--------------|
| Trim kit         | Frame-in kit |
| A7053 <b>CLW</b> | A400         |

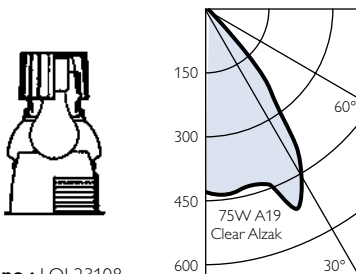
| Aperture | Trim kit | Description    | Frame-in kit | Ceiling cutout | Type             | Input voltage | Lamp, maximum wattage              | Length (L) | Width (W) | Height (H) |
|----------|----------|----------------|--------------|----------------|------------------|---------------|------------------------------------|------------|-----------|------------|
| 4 1/2"   | A7053    | Open downlight | A400         | 5 1/16"        | Non-IC           | 120V          | A19, 100W                          | 20"-30"    | 13 3/8"   | 7 15/16"   |
| 6"       | B7054    | Open downlight | A400RM       | 5 1/16"        | Non-IC Remodeler | 120V          | A19, 100W                          | 20"-30"    | 13 3/8"   | 7 15/16"   |
| 7 1/2"   | C7055    | Open downlight | B600         | 6 9/16"        | Non-IC           | 120V          | A19, 100W • MB19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 9 5/8"     |
|          |          |                | B600RM       | 6 9/16"        | Non-IC Remodeler | 120V          | A19, 100W • MB19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 9 5/8"     |
|          |          |                | C700         | 8"             | Non-IC           | 120V          | A21, 150W • A23, 200W • PS25, 300W | 20"-30"    | 11 1/2"   | 12 1/16"   |
|          |          |                | C700RM       | 8"             | Non-IC Remodeler | 120V          | A21, 150W • A23, 200W • PS25, 300W | 20"-30"    | 11 1/2"   | 12 1/16"   |

| Finish Info 1         | Reflector finish | White flange | White flange | Flangeless |
|-----------------------|------------------|--------------|--------------|------------|
| Specular clear        | CL               | W            | P            | No suffix  |
| Comfort clear         | N/A              | N/A          | N/A          | N/A        |
| Comfort clear diffuse | CCD              | W            | P            | No suffix  |
| Champagne bronze      | CCZ              | W            | P            | No suffix  |
| Specular gold         | GD               | W            | P            | No suffix  |
| White                 | WH               | W            | N/A          | No suffix  |
| Black                 | BK               | W            | P            | N/A        |
| Multi-groove          | MG               | MG           | N/A          | N/A        |

\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 4 1/2" Aperture 75W A19

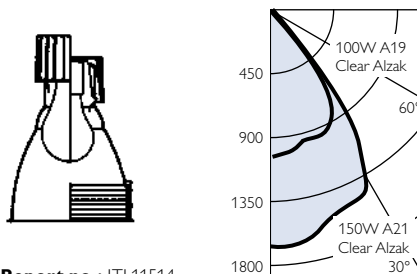
Reflector trim: A400 **CLW**



**Report no.:** LOL23108  
**Lamp:** 75W A19  
**Initial lumens:** 1,190  
**Efficiency:** 58.2%  
**Spacing:** 1.2

### 6" Aperture 150W A21

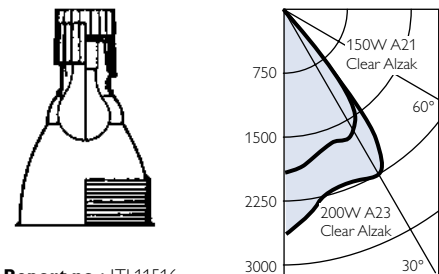
Reflector trim: B600 **CLW**



**Report no.:** ITL11514  
**Lamp:** 150W A21  
**Initial lumens:** 2,880  
**Efficiency:** 72.7%  
**Spacing:** 1.2

### 7 1/2" Aperture 200W A23

Reflector trim: C7055 **CLW**



**Report no.:** ITL11516  
**Lamp:** 200W A23  
**Initial lumens:** 4,010  
**Efficiency:** 76.2%  
**Spacing:** 1.3

Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 48   | 22      | —       |
| 8'                      | 47   | 21      | 12      |
| 10'                     | 46   | 20      | 11      |
| 12'                     | 45   | 20      | 11      |

Based on 60' x 60' room  
80/50/20% reflectances

Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 66   | —       | —       |
| 8'                      | 65   | 36      | 23      |
| 10'                     | 63   | 35      | 23      |
| 12'                     | 62   | 34      | 22      |

Based on 60' x 60' room  
80/50/20% reflectances

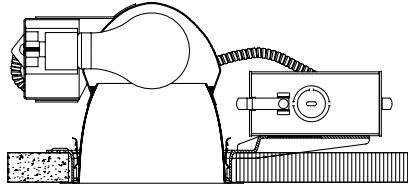
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3 |         |          |
|-------------------------|--|---------|----------|
|                         | 6' o.c.  | 8' o.c. | 10' o.c. |
| 8'                      | 94   | 52      | 34       |
| 10'                     | 91   | 51      | 33       |
| 12'                     | 89   | 50      | 32       |
| 14'                     | 88   | 49      | 32       |

Based on 60' x 60' room  
80/50/20% reflectances

# 4 1/2" & 6" aperture

Shallow downlights - incandescent A lamp



G7057 trim with G410 frame-in kit shown above.



## How to specify

| Trim kit         | Frame-in kit |
|------------------|--------------|
| G7057 <b>CLW</b> | G410         |

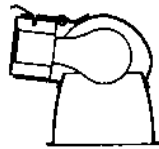
| Aperture | Trim kit | Description       | Frame-in kit | Ceiling cutout | Type             | Input voltage | Lamp, maximum wattage | Length (L) | Width (W) | Height (H) |
|----------|----------|-------------------|--------------|----------------|------------------|---------------|-----------------------|------------|-----------|------------|
| 4 1/2"   | G7057    | Shallow downlight | G410         | 5 1/16"        | Non-IC           | 120V          | A19, 100W             | 20"-30"    | 12 1/2"   | 5 5/8"     |
|          |          |                   | G410RM       | 5 1/16"        | Non-IC Remodeler | 120V          | A19, 100W             | 20"-30"    | 12 1/2"   | 5 5/8"     |
| 6"       | E7059    | Shallow downlight | E610         | 6 9/16"        | Non-IC           | 120V          | A19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 5 7/8"     |

| Finish Info 1         | Reflector finish | White  | White  | Flangeless |
|-----------------------|------------------|--------|--------|------------|
|                       |                  | flange | flange |            |
| Specular clear        | CL               | W      | P      | No suffix  |
| Comfort clear         | N/A              | N/A    | N/A    | N/A        |
| Comfort clear diffuse | CCD              | W      | P      | No suffix  |
| Champagne bronze      | CCZ              | W      | P      | No suffix  |
| Specular gold         | GD               | W      | P      | No suffix  |
| White                 | WH               | W      | N/A    | No suffix  |
| Black                 | BK               | W      | P      | N/A        |
| Multi-groove          | MG               | MG     | N/A    | N/A        |

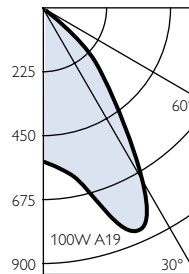
\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 4 1/2" Aperture 100W A19

Reflector trim: G7057 **CLW**



**Report no.:** ITL31338  
**Lamp:** 100W A21  
**Initial Lumens:** 1,750  
**Efficiency:** 58.5%  
**Spacing:** 1.1



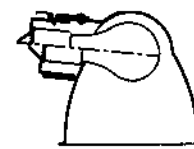
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.1 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 71   | 32      | 18      |
| 8'                      | 69   | 31      | 17      |
| 10'                     | 68   | 30      | 17      |
| 12'                     | 67   | 30      | 17      |

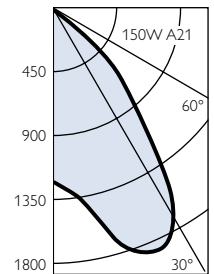
Based on 60' x 60' room  
80/50/20% reflectances

### 6" Aperture 150W A21

Reflector trim: E7059 **CLW**



**Report no.:** ITL22532  
**Lamp:** 150W A21  
**Initial lumens:** 2,880  
**Efficiency:** 71.2%  
**Spacing:** 1.2



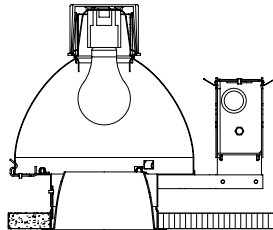
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2 |         |          |
|-------------------------|--|---------|----------|
|                         | 6' o.c.  | 8' o.c. | 10' o.c. |
| 6'                      | 64   | 36      | —        |
| 8'                      | 62   | 35      | 22       |
| 10'                     | 61   | 35      | 22       |
| 12'                     | 60   | 34      | 21       |

Based on 60' x 60' room  
80/50/20% reflectances

# 4 1/2" & 6" aperture

Ellipsoidal downlights - A, T incandescent lamps



782 trim with 7782 frame-in kit shown above.

## How to specify

|                |              |
|----------------|--------------|
| Trim kit       | Frame-in kit |
| 782 <b>CLW</b> | 7782         |

| Aperture | Trim kit | Description           | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage                           | Length (L) | Width (W) | Height (H) |
|----------|----------|-----------------------|--------------|----------------|--------|---------------|---|------------|-----------|------------|
| 4 1/2"   | 782      | Ellipsoidal downlight | 7782         | 5 1/16"        | Non-IC | 120V          | A19, 100W • MB19, 100W<br>A21, 150W • A23, 150W | 20"-30"    | 12"       | 11 1/2"    |
| 6"       | 784      | Ellipsoidal downlight | 7784         | 6 1/2"         | Non-IC | 120V          | A23, 200W<br>T4, 250W                           | 20"-30"    | 14 1/2"   | 12 7/8"    |
| 4 1/2"   | 782      | Ellipsoidal downlight | 7082         | 5 1/16"        | Non-IC | 120V          | T4, 250W  | 20"-30"    | 12"       | 11 1/2"    |
| 6"       | 784      | Ellipsoidal downlight | 7084         | 6 1/2"         | Non-IC | 120V          | T4, 500W  | 20"-30"    | 14 1/2"   | 14 5/8"    |

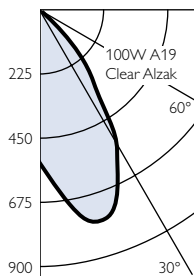
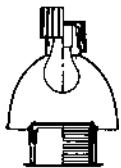
| Finish Info 1         | Reflector finish | White  | Polished | Flangeless |
|-----------------------|------------------|--------|----------|------------|
|                       |                  | flange | flange   |            |
| Specular clear        | CL               | W      | P        | No suffix  |
| Comfort clear         | N/A              | N/A    | N/A      | N/A        |
| Comfort clear diffuse | CCD              | W      | P        | No suffix  |
| Champagne bronze      | CCZ              | W      | P        | N/A        |
| Specular gold         | GD               | W      | P        | No suffix  |
| White                 | WH               | W      | N/A      | N/A        |
| Black                 | BK               | W      | P        | N/A        |
| Multi-groove          | MG               | MG     | N/A      | N/A        |

\*Lensed Downlights available in matte white only

\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 4 1/2" Aperture 100W A19

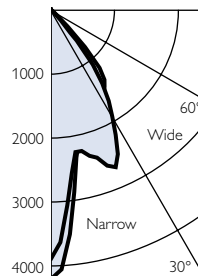
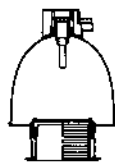
Reflector trim: 782 **CLW**



**Report no.:** ETL385348  
**Lamp:** 100W A19  
**Initial lumens:** 1,750  
**Efficiency:** 46.5%  
**Spacing:** 1.3

### 4 1/2" Aperture 250W T4

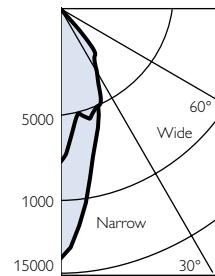
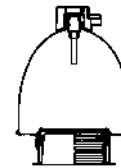
Reflector trim: 782 **CLW**



**Report no.:** LOL3537FR  
**Lamp:** 250W T4  
**Initial lumens:** 4,800  
**Efficiency:** 63.9%  
**Spacing:** 1.4

### 6" Aperture 500W T4

Reflector trim: 784 **CLW**



**Report no.:** LOL3596FR  
**Lamp:** 500W T4  
**Initial lumens:** 10,100  
**Efficiency:** 71.7%  
**Spacing:** 1

#### Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 48   | 22      | -       |
| 8'                      | 47   | 21      | 12      |
| 10'                     | 46   | 20      | 11      |
| 12'                     | 45   | 20      | 11      |

Based on 60' x 60' room  
80/50/20% reflectances

#### Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 51   | 33      | 23      |
| 8'                      | 50   | 32      | 22      |
| 10'                     | 49   | 31      | 21      |
| 12'                     | 48   | 30      | 20      |

Based on 60' x 60' room  
80/50/20% reflectances

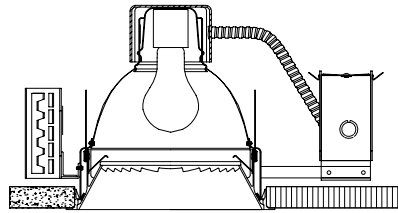
#### Multiple unit data

| Height to lighted plane | Initial Footcandles at Various Fixture Spacings. Maximum Spacing Ratio 1.0 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 126  | 71      | 50      |
| 8'                      | 124  | 70      | 49      |
| 10'                     | 123  | 69      | 48      |
| 12'                     | 122  | 68      | 47      |

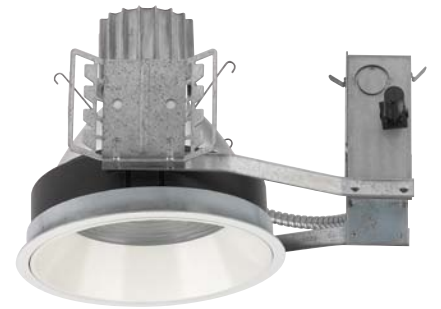
Based on 60' x 60' room  
80/50/20% reflectances

# 7 1/2" aperture

## Lensed downlights - A incandescent lamp



7790QD shown above.



### How to specify

|                   |              |
|-------------------|--------------|
| Trim kit          | Frame-in kit |
| 7790QD <b>CLW</b> | None         |

| Aperture | Trim kit | Description              | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage              | Length (L) | Width (W) | Height (H) |
|----------|----------|--------------------------|--------------|----------------|--------|---------------|------------------------------------|------------|-----------|------------|
| 7 1/2"   | 7790QD   | Lensed downlight         | None         | 7 3/4"         | Non-IC | 120V          | A19, 100W • MB19, 100W • A21, 150W | 20"-30"    | 11 1/2"   | 8 7/8"     |
| 7 1/2"   | 7794QD   | Lensed downlight-shallow | None         | 7 3/4"         | Non-IC | 120V          | A19, 100W • MB19, 100              | 20"-30"    | 11 1/2"   | 8 7/8"     |

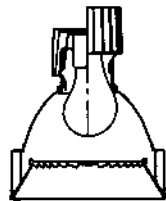
| Finish Info 1         | Reflector finish | White  | Polished | Flangeless |
|-----------------------|------------------|--------|----------|------------|
|                       |                  | flange | flange   |            |
| Specular clear        | CL               | W      | P        | No suffix  |
| Comfort clear         | N/A              | N/A    | N/A      | N/A        |
| Comfort clear diffuse | CCD              | W      | P        | No suffix  |
| Champagne bronze      | CCZ              | W      | P        | N/A        |
| Specular gold         | GD               | W      | P        | No suffix  |
| White                 | WH               | W      | N/A      | N/A        |
| Black                 | BK               | W      | P        | N/A        |
| Multi-groove          | MG               | MG     | N/A      | N/A        |

\*Lensed Downlights available in matte white only

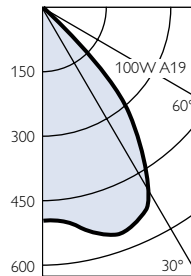
\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 7 1/2" Aperture 100W A19

Reflector trim: 7790QD **CLW**



**Report no.:** ITL390909  
**Lamp:** 100W A19  
**Initial lumens:** 1,750  
**Efficiency:** 53.5%  
**Spacing:** 1.3



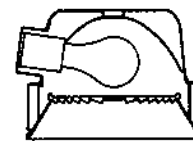
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 65   | 29      | 16      |
| 8'                      | 62   | 28      | 16      |
| 10'                     | 60   | 27      | 15      |
| 12'                     | 59   | 26      | 15      |

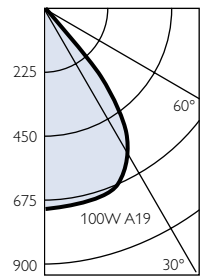
Based on 60' x 60' room  
80/50/20% reflectances

### 7 1/2" Aperture 100W A19

Reflector trim: 7794QD **CLW**



**Report no.:** ETL387916  
**Lamp:** 100W A19  
**Initial lumens:** 1,750  
**Efficiency:** 58%  
**Spacing:** 1.1



Multiple unit data

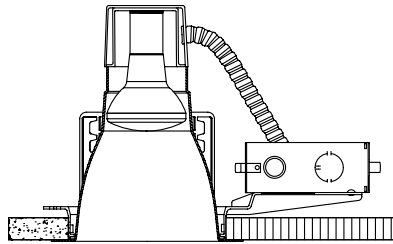
| Height to lighted plane | Initial Footcandles at Various Fixture Spacings. Maximum Spacing Ratio 1.1 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 70   | 31      | –       |
| 8'                      | 68   | 30      | 17      |
| 10'                     | 67   | 30      | 17      |
| 12'                     | 66   | 29      | 16      |

Based on 60' x 60' room  
80/50/20% reflectances



# 4 1/2", 6" & 7 1/2" aperture

Open downlights - PAR, R, BR halogen lamps



782 trim with 7782 frame-in kit shown above.

## How to specify

Trim kit Frame-in kit  
**A7701** CLW

| Aperture | Trim kit | Description    | Frame-in kit | Ceiling cutout | Type             | Input voltage | Lamp, maximum wattage              | Length (L) | Width (W) | Height (H) |
|----------|----------|----------------|--------------|----------------|------------------|---------------|------------------------------------|------------|-----------|------------|
| 4 1/2"   | A7701    | Open downlight | A400         | 5 1/16"        | Non-IC           | 120V          | PAR16, 75W • R20, 75W • PAR20, 50W | 20"-30"    | 12 1/2"   | 7 3/4"     |
|          |          |                | A400RM       | 5 1/16"        | Non-IC Remodeler | 120V          | PAR16, 75W • R20, 75W • PAR20, 50W | 20"-30"    | 12 1/2"   | 7 3/4"     |
| 6"       | B7705    | Open downlight | B600         | 6 9/16"        | Non-IC           | 120V          | PAR30, 75W • BR30, 85W             | 20"-30"    | 10 1/4"   | 10 7/16"   |
|          |          |                | B600RM       | 6 9/16"        | Non-IC Remodeler | 120V          | PAR30, 75W • BR30, 85W             | 20"-30"    | 10 1/4"   | 10 7/16"   |
| 6"       | B7780    | Open downlight | B600         | 6 9/16"        | Non-IC           | 120V          | PAR38, 150W                        | 20"-30"    | 10 1/4"   | 11"        |
|          |          |                | B600RM       | 6 9/16"        | Non-IC Remodeler | 120V          | PAR38, 150W                        | 20"-30"    | 10 1/4"   | 11"        |
| 7 1/2"   | C7709    | Open downlight | C700         | 8"             | Non-IC           | 120V          | PAR38, 250W                        | 20"-30"    | 10 7/8"   | 12"        |
|          |          |                | C700RM       | 8"             | Non-IC Remodeler | 120V          | A21, 150W • A23, 200W • PS25, 300W | 20"-30"    | 10 7/8"   | 12"        |

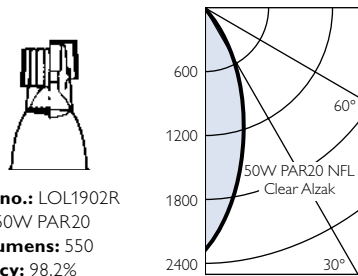
| Finish Info 1         | Reflector finish | White flange |            | Polished flange |            |
|-----------------------|------------------|--------------|------------|-----------------|------------|
|                       |                  | White flange | Flangeless | Polished flange | Flangeless |
| Specular clear        | CL               | W            | P          | No suffix       |            |
| Comfort clear         | N/A              | N/A          | N/A        | N/A             |            |
| Comfort clear diffuse | CCD              | W            | P          | No suffix       |            |
| Champagne bronze      | N/A              | W            | P          | N/A             |            |
| Specular gold         | GD               | W            | P          | No suffix       |            |
| White                 | N/A              | W            | N/A        | N/A             |            |
| Black                 | BK               | W            | P          | N/A             |            |
| Multi-groove          | MG               | MG           | N/A        | N/A             |            |

\*A7058, B7760 available in multigroove (MG) finish only.

\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 4 1/2" Aperture 50W PAR20 NFL

Reflector trim: A7701 CLW



**Report no.:** LOL1902R  
**Lamp:** 50W PAR20  
**Initial lumens:** 550  
**Efficiency:** 98.2%  
**Spacing:** 0.6

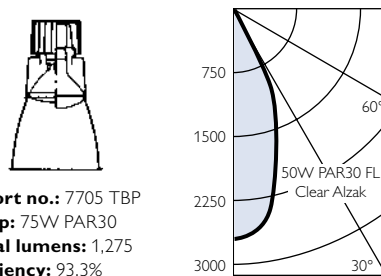
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 81   | —       | —       |
| 8'                      | 79   | 45      | —       |
| 10'                     | 78   | 44      | 28      |
| 12'                     | 77   | 43      | 28      |

Based on 60' x 60' room  
80/50/20% reflectances

### 6" Aperture 75W PAR30 FL

Reflector trim: A7705 CLW



**Report no.:** 7705 TBP  
**Lamp:** 75W PAR30  
**Initial lumens:** 1,275  
**Efficiency:** 93.3%  
**Spacing:** 0.6

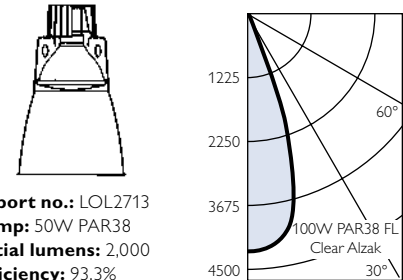
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 6'                      | 66   | —       | —       |
| 8'                      | 66   | 42      | —       |
| 10'                     | 65   | 42      | 29      |
| 12'                     | 64   | 41      | 29      |

Based on 60' x 60' room  
80/50/20% reflectances

### 7" Aperture 50W PAR38 FL

Reflector trim: C7709 CLW



**Report no.:** LOL2713  
**Lamp:** 50W PAR38  
**Initial lumens:** 2,000  
**Efficiency:** 93.3%  
**Spacing:** 0.6

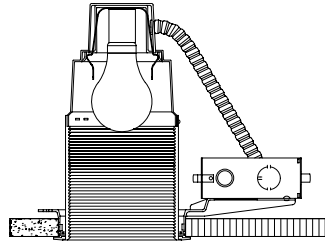
Multiple unit data

| Height to lighted plane | Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6 |         |         |
|-------------------------|--|---------|---------|
|                         | 4' o.c.  | 6' o.c. | 8' o.c. |
| 8'                      | 131  | —       | —       |
| 10'                     | 130  | 58      | —       |
| 12'                     | 129  | 57      | 32      |
| 14'                     | 128  | 57      | 32      |

Based on 60' x 60' room  
80/50/20% reflectances

# 4 1/2" & 6" aperture

Open downlights - PAR, BR halogen lamps



**A7058MG** trim with **A400** frame-in kit shown above.



## How to specify

| Trim kit  | Frame-in kit |
|---|--------------|
| <b>A7058</b> <span style="border: 1px solid black; padding: 0 2px;">MG</span> | <b>A400</b>  |

| Aperture | Trim kit | Description    | Frame-in kit | Ceiling cutout | Type             | Input voltage | Lamp, maximum wattage    | Length (L) | Width (W) | Height (H) |
|----------|----------|----------------|--------------|----------------|------------------|---------------|--------------------------|------------|-----------|------------|
| 4 1/2"   |          | Open downlight | A400         | 5 1/16"        | Non-IC           | 120V          | PAR30, 75W • BR30, 85W   | 20"-30"    | 12 1/2"   | 9 11/16"   |
|          |          |                | A400RM       | 5 1/16"        | Non-IC Remodeler | 120V          | PAR30, 75W • BR30, 85W   | 20"-30"    | 12 1/2"   | 9 11/16"   |
| 6"       |          | Open downlight | B600         | 6 9/16"        | Non-IC           | 120V          | PAR38, 150W • BR40, 120W | 20"-30"    | 10 1/8"   | 11 1/2"    |
|          |          |                | B600RM       | 6 9/16"        | Non-IC Remodeler | 120V          | PAR38, 150W • BR40, 120W | 20"-30"    | 10 1/8"   | 11 1/2"    |

| Finish Info 1         | Reflector finish | Flange options |                 |            |
|-----------------------|------------------|----------------|-----------------|------------|
|                       |                  | White flange   | Polished flange | Flangeless |
| Specular clear        | CL               | W              | P               | No suffix  |
| Comfort clear         | N/A              | N/A            | N/A             | N/A        |
| Comfort clear diffuse | CCD              | W              | P               | No suffix  |
| Champagne bronze      | N/A              | W              | P               | N/A        |
| Specular gold         | GD               | W              | P               | No suffix  |
| White                 | N/A              | W              | N/A             | N/A        |
| Black                 | BK               | W              | P               | N/A        |
| Multi-groove          | MG               | MG             | N/A             | N/A        |

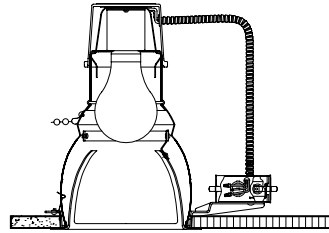
\*A7058, B7760 available in multigroove (MG) finish only.

\*Not all finish/flange options are available with all products. Review specification sheet for details.



# 4 1/2", 6" & 7 1/2" aperture

## Open wall washers - A lamp



P7006 trim with P401 frame-in kit shown above.

### How to specify

|                  |              |
|------------------|--------------|
| Trim kit         | Frame-in kit |
| P7006 <b>CLW</b> | P401         |

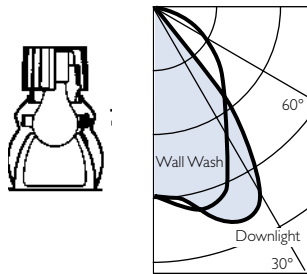
| Aperture | Trim kit | Description        | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage              | Length (L) | Width (W) | Height (H) |
|----------|----------|--------------------|--------------|----------------|--------|---------------|------------------------------------|------------|-----------|------------|
| 4 1/2"   | P7006    | Single wall washer | P401         | 5 1/16"        | Non-IC | 120V          | A19, 100W                          | 20"-30"    | 13"       | 7 7/16"    |
| 4 1/2"   | P7007    | Corner wall washer | P401         | 5 1/16"        | Non-IC | 120V          | A19, 100W                          | 20"-30"    | 13"       | 7 7/16"    |
| 4 1/2"   | P7008    | Double wall washer | P401         | 5 1/16"        | Non-IC | 120V          | A19, 100W                          | 20"-30"    | 13"       | 7 7/16"    |
| 6"       | R7029    | Single wall washer | R601         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W              | 20"-30"    | 10 1/4"   | 9 5/16"    |
| 6"       | R7030    | Corner wall washer | R601         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W              | 20"-30"    | 10 1/4"   | 9 5/16"    |
| 6"       | R7031    | Double wall washer | R601         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W              | 20"-30"    | 10 1/4"   | 9 5/16"    |
| 6"       | T7032    | Single wall washer | T701         | 8"             | Non-IC | 120V          | A21, 150W • A23, 300W • PS25, 300W | 20"-30"    | 11 1/2"   | 11"        |
| 6"       | T7033    | Corner wall washer | T701         | 8"             | Non-IC | 120V          | A21, 150W • A23, 300W • PS25, 300W | 20"-30"    | 11 1/2"   | 11"        |
| 6"       | T7034    | Double wall washer | T701         | 8"             | Non-IC | 120V          | A21, 150W • A23, 300W • PS25, 300W | 20"-30"    | 11 1/2"   | 11"        |

| Finish Info 1         | Reflector finish | White flange |                 |            |
|-----------------------|------------------|--------------|-----------------|------------|
|                       |                  | White flange | Polished flange | Flangeless |
| Specular clear        | CL               | W            | P               | No suffix  |
| Comfort clear         | N/A              | N/A          | N/A             | N/A        |
| Comfort clear diffuse | N/A              | N/A          | N/A             | N/A        |
| Champagne bronze      | N/A              | N/A          | N/A             | N/A        |
| Specular gold         | N/A              | N/A          | N/A             | N/A        |
| White                 | N/A              | N/A          | N/A             | N/A        |
| Black                 | N/A              | N/A          | N/A             | N/A        |
| Multi-groove          | N/A              | N/A          | N/A             | N/A        |

\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 4 1/2" Aperture 100W A19

Reflector trim: P7006 **CLW**

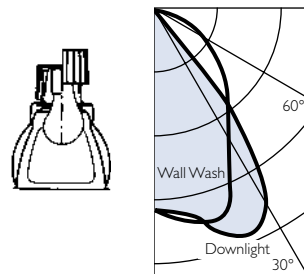


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall |    |    | 3' from wall |    |    |
|-------------------------------|--------------|----|----|--------------|----|----|
|                               | 3'           | 4' | 6' | 3'           | 4' | 6' |
| 1                             | 7            | 10 | 7  | 7            | 6  | 7  |
| 2                             | 13           | 12 | 13 | 11           | 8  | 11 |
| 3                             | 14           | 14 | 14 | 12           | 10 | 12 |
| 4                             | 13           | 14 | 13 | 11           | 8  | 11 |
| 5                             | 10           | 14 | 10 | 10           | 8  | 10 |
| 6                             | 9            | 12 | 9  | 9            | 8  | 9  |
| 7                             | 9            | 12 | 9  | 9            | 6  | 9  |
| 8                             | 9            | 10 | 9  | 9            | 6  | 9  |
| 9                             | 9            | 10 | 9  | 9            | 6  | 9  |

### 6" Aperture 150W A21

Reflector trim: R7029 **CLW**

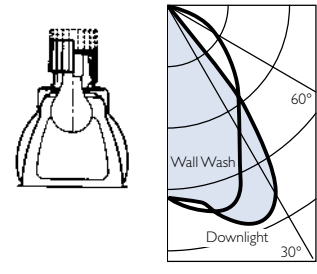


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall |    |    | 3' from wall |    |    |
|-------------------------------|--------------|----|----|--------------|----|----|
|                               | 3'           | 4' | 6' | 3'           | 4' | 6' |
| 1                             | 7            | 10 | 7  | 7            | 6  | 7  |
| 2                             | 13           | 12 | 13 | 11           | 8  | 11 |
| 3                             | 14           | 14 | 14 | 12           | 10 | 12 |
| 4                             | 13           | 14 | 13 | 11           | 8  | 11 |
| 5                             | 10           | 14 | 10 | 10           | 8  | 10 |
| 6                             | 9            | 12 | 9  | 9            | 8  | 9  |
| 7                             | 9            | 12 | 9  | 9            | 6  | 9  |
| 8                             | 9            | 10 | 9  | 9            | 6  | 9  |
| 9                             | 9            | 10 | 9  | 9            | 6  | 9  |

### 7 1/2" Aperture 300W PS25

Reflector trim: T7032 **CLW**

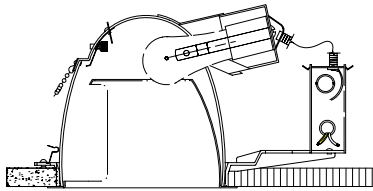


Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall |    |    | 3' from wall |    |    |
|-------------------------------|--------------|----|----|--------------|----|----|
|                               | 4'           | 6' | 8' | 4'           | 6' | 8' |
| 1                             | 26           | 28 | 26 | 21           | 19 | 21 |
| 2                             | 36           | 38 | 36 | 27           | 24 | 27 |
| 3                             | 43           | 41 | 43 | 33           | 26 | 33 |
| 4                             | 46           | 47 | 46 | 36           | 29 | 36 |
| 5                             | 50           | 47 | 50 | 37           | 32 | 37 |
| 6                             | 49           | 48 | 49 | 37           | 34 | 37 |
| 7                             | 45           | 46 | 45 | 32           | 33 | 32 |
| 8                             | 40           | 41 | 40 | 28           | 31 | 28 |
| 9                             | 35           | 37 | 35 | 24           | 28 | 24 |
| 10                            | 32           | 34 | 32 | 22           | 26 | 22 |

# 6" aperture

## Shallow open downlights - A lamps



V7009CLW trim with V611 frame-in kit shown above.



### How to specify

| Trim kit  | Frame-in kit |
|---|--------------|
| V7009 <span style="border: 1px solid black; padding: 0 2px;">CLW</span> | V611         |

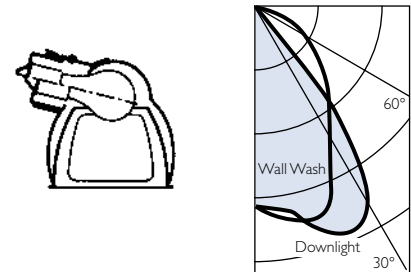
| Aperture | Trim kit | Description                | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage | Length (L) | Width (W) | Height (H) |
|----------|----------|----------------------------|--------------|----------------|--------|---------------|-----------------------|------------|-----------|------------|
| 6"       | V7009    | Single wall washer-shallow | V611         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 6 7/8"     |
| 6"       | V7010    | Corner wall washer-shallow | V611         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 6 7/8"     |
| 6"       | V7011    | Double wall washer-shallow | V611         | 6 9/16"        | Non-IC | 120V          | A19, 100W • A21, 150W | 20"-30"    | 10 1/4"   | 6 7/8"     |

| Finish Info 1         | Reflector finish | White  | Polished | Flangeless |
|-----------------------|------------------|--------|----------|------------|
|                       |                  | flange | flange   |            |
| Specular clear        | CL               | W      | P        | No suffix  |
| Comfort clear         | N/A              | N/A    | N/A      | N/A        |
| Comfort clear diffuse | N/A              | N/A    | N/A      | N/A        |
| Champagne bronze      | N/A              | N/A    | N/A      | N/A        |
| Specular gold         | N/A              | N/A    | N/A      | N/A        |
| White                 | N/A              | N/A    | N/A      | N/A        |
| Black                 | N/A              | N/A    | N/A      | N/A        |
| Multi-groove          | N/A              | N/A    | N/A      | N/A        |

\*Not all finish/flange options are available with all products. Review specification sheet for details.

### 6" Aperture 100W A21

Reflector trim: V7009 CLW



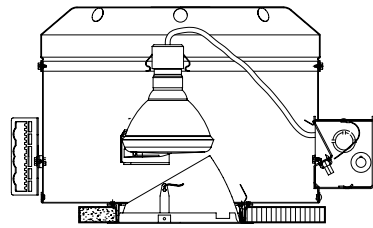
Multiple units Footcandles on wall

|                               | 3' from wall |    |    | 3' from wall |    |    |
|-------------------------------|--------------|----|----|--------------|----|----|
|                               | 1            | 2  | 3  | 1            | 2  | 3  |
| Distance from ceiling in feet | 12           | 14 | 12 | 12           | 10 | 12 |
|                               | 19           | 22 | 19 | 17           | 14 | 17 |
|                               | 22           | 24 | 22 | 18           | 16 | 18 |
|                               | 22           | 26 | 22 | 20           | 16 | 20 |
|                               | 26           | 26 | 26 | 20           | 20 | 20 |
|                               | 24           | 22 | 24 | 18           | 18 | 18 |
|                               | 20           | 22 | 20 | 16           | 16 | 16 |
|                               | 19           | 20 | 19 | 15           | 14 | 15 |
|                               | 19           | 20 | 19 | 15           | 14 | 15 |
|                               | 17           | 20 | 17 | 15           | 14 | 15 |



# 6" aperture

Adjustable accent - halogen/incandescent PAR lamps



AA6CLW trim with PAA6P38D frame-in kit shown above.

## How to specify

|                  |              |
|------------------|--------------|
| Trim kit         | Frame-in kit |
| AA6 <b>CLW30</b> | PAA6P38D     |

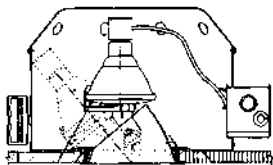
| Aperture | Trim kit | Description        | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage | Length (L) | Width (W) | Height (H) |
|----------|----------|--------------------|--------------|----------------|--------|---------------|-----------------------|------------|-----------|------------|
| 6"       | AA6CLW30 | 30 Degree cut cone | PAA6P38D     | 6 11/16        | Non-IC | 120V          | PAR38, 250W           | 20"-30"    | 17 1/8"   | 10 5/8"    |
|          | AA6CLW45 | 45 Degree cut cone | PAA6P38D     | 6 11/16        | Non-IC | 120V          | PAR38, 250W           | 20"-30"    | 17 1/2"   | 10 5/8"    |
| 6"       | AA6CLW30 | 30 Degree cut cone | PAA6P30S     | 6 11/16        | Non-IC | 120V          | PAR30, 75W            | 20"-30"    | 17 1/8"   | 10 5/8"    |
|          | AA6CLW45 | 45 Degree cut cone | PAA6P30S     | 6 11/16        | Non-IC | 120V          | PAR30, 75W            | 20"-30"    | 17 1/2"   | 10 5/8"    |

| Finish Info 1         | Reflector finish | White flange |            | Polished flange |            |
|-----------------------|------------------|--------------|------------|-----------------|------------|
|                       |                  | White flange | Flangeless | Polished flange | Flangeless |
| Specular clear        | CL               | W            | P          | No suffix       | No suffix  |
| Comfort clear         | N/A              | N/A          | N/A        | N/A             | N/A        |
| Comfort clear diffuse | CCD              | W            | P          | No suffix       | No suffix  |
| Champagne bronze      | N/A              | N/A          | N/A        | N/A             | N/A        |
| Specular gold         | GD               | W            | P          | No suffix       | No suffix  |
| White                 | N/A              | N/A          | N/A        | N/A             | N/A        |
| Black                 | BK               | W            | P          | No suffix       | No suffix  |
| Multi-groove          | N/A              | N/A          | N/A        | N/A             | N/A        |

\*Not all finish/flange options are available with all products. Review specification sheet for details.

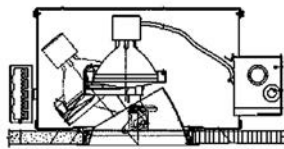
## 6" Aperture 250W PAR38 SP

Reflector trim: AA6 **CLW** 30

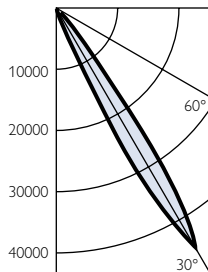


## 6" Aperture 75W PAR30 NFL

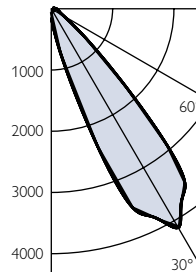
Reflector trim: AA6 **CLW** 30



**Report no.:** AA6CLW30  
**Lamp:** 250W PAR38 SP  
**Max tilt:** AA6CLW30 TBF  
**Initial lumens:** AA6CLW  
**Luminaire beam:** 10°

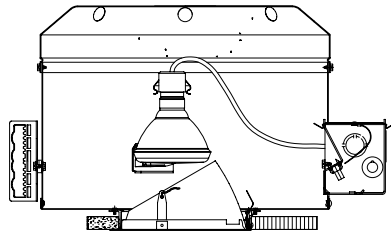


**Report no.:** AA6CLW30 TBP  
**Lamp:** 75W PAR30 NFL  
**Max tilt:** AA6CLW30 TBP  
**Initial lumens:** AA6CLW30 TBP  
**Luminaire beam:** 27°



# 7 1/2" aperture

Adjustable accent - halogen/incandescent PAR lamps



AA7CLW trim with PAA7P38D frame-in kit shown above.

## How to specify

| Trim kit          | Frame-in kit |
|-------------------|--------------|
| AA7 <b>CLW</b> 30 | PAA7P38D     |

| Aperture | Trim kit | Description        | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage |
|----------|----------|--------------------|--------------|----------------|--------|---------------|-----------------------|
| 7"       | AA7CLW30 | 30 Degree cut cone | PAA7P38D     | 8 1/4"         | Non-IC | 120V          | PAR38, 250W           |
|          | AA7CLW45 | 45 Degree cut cone | PAA7P38D     | 8 1/4"         | Non-IC | 120V          | PAR38, 250W           |
| 7"       | AA7CLW30 | 30 Degree cut cone | CDF7P56D     | 8 1/4"         | Non-IC | 120V          | PAR56, 500W           |
|          | AA7CLW45 | 45 Degree cut cone | CDF7P56D     | 8 1/4"         | Non-IC | 120V          | PAR56, 500W           |

| Finish Info 1         | Reflector finish | White flange |                 |            |
|-----------------------|------------------|--------------|-----------------|------------|
|                       |                  | White flange | Polished flange | Flangeless |
| Specular clear        | CL               | W            | P               | No suffix  |
| Comfort clear         | N/A              | N/A          | N/A             | N/A        |
| Comfort clear diffuse | CCD              | W            | P               | No suffix  |
| Champagne bronze      | N/A              | N/A          | N/A             | N/A        |
| Specular gold         | GD               | W            | P               | No suffix  |
| White                 | N/A              | N/A          | N/A             | N/A        |
| Black                 | BK               | W            | P               | No suffix  |
| Multi-groove          | N/A              | N/A          | N/A             | N/A        |

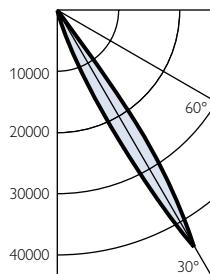
\*Not all finish/flange options are available with all products. Review specification sheet for details.

## 7 1/2" Aperture 250W PAR38

Reflector trim: AA7 **CLW** 30

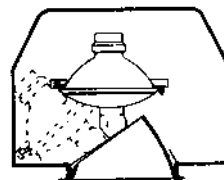


**Report no.:** AA7CLW30 TBP  
**Lamp:** 250W PAR38 SP  
**Max tilt:** AA7CLW30 TBP  
**Initial lumens:** AA7CLW30 TBP  
**Luminaire beam:** 10°

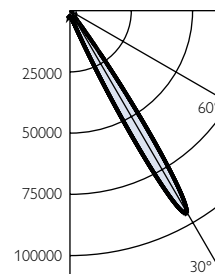


## 7 1/2" Aperture 500W PAR56

Reflector trim: AA7 **CLW**



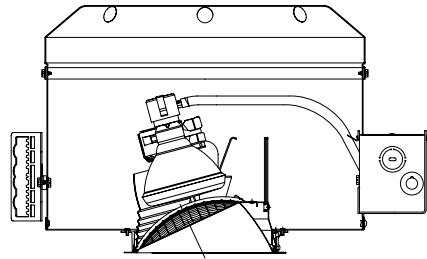
**Report no.:** AA7CLW30 TBP  
**Lamp:** 500W PAR56  
**Max tilt:** AA7CLW30 TBP  
**Initial lumens:** AA7CLW30 TBP  
**Luminaire beam:** 8 X 13°





# 7 1/2" aperture

## Lensed wall washers - halogen/incandescent PAR lamps



LW7 trim with PLW7P38D frame-in kit shown above.

### How to specify

|                |              |
|----------------|--------------|
| Trim kit       | Frame-in kit |
| LW7 <b>CLW</b> | PLW7P38D     |

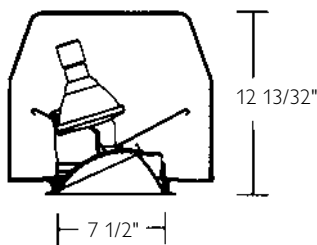
| Aperture | Trim kit | Description        | Frame-in kit | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage | Length (L) | Width (W) | Height (H) |
|----------|----------|--------------------|--------------|----------------|--------|---------------|-----------------------|------------|-----------|------------|
| 7 1/2"   | LW7      | Lensed wall washer | PLW7P388     | 8 1/4"         | Non-IC | 120/277V      | PAR38, 250W           | 20"-30"    | 19 1/8"   | 12 13/32"  |
|          | LW7      |                    | CDF7P56D     | 8 1/4"         | Non-IC | 120/277V      | PAR56, 500W           | 20"-30"    | 19 1/8"   | 12 13/32"  |

| Finish Info 1         | Reflector finish | White  | Polished | Flangeless |
|-----------------------|------------------|--------|----------|------------|
|                       |                  | flange | flange   |            |
| Specular clear        | CL               | W      | P        | No suffix  |
| Comfort clear         | N/A              | N/A    | N/A      | N/A        |
| Comfort clear diffuse | N/A              | N/A    | N/A      | N/A        |
| Champagne bronze      | N/A              | N/A    | N/A      | N/A        |
| Specular gold         | N/A              | N/A    | N/A      | N/A        |
| White                 | N/A              | N/A    | N/A      | N/A        |
| Black                 | N/A              | N/A    | N/A      | N/A        |
| Multi-groove          | N/A              | N/A    | N/A      | N/A        |

\*Not all finish/flange options are available with all products. Review specification sheet for details.

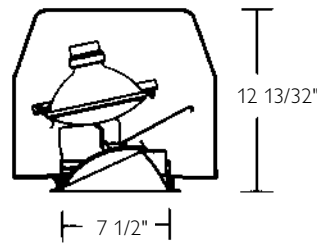
### 7 1/2" Aperture 250W PAR38

Reflector trim: LW7 **CLW**



### 7 1/2" Aperture 500W PAR56

Reflector trim: LW7 **CLW**



Multiple units Footcandles on wall

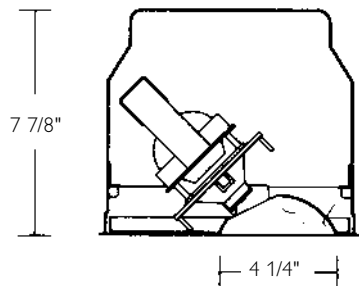
| Distance from ceiling in feet | 3' from wall |    | 3' from wall |    |
|-------------------------------|--------------|----|--------------|----|
|                               | 3'           | 4' | 3'           | 4' |
| 1                             | 8            | 7  | 8            | 7  |
| 2                             | 22           | 21 | 22           | 18 |
| 3                             | 33           | 32 | 33           | 27 |
| 4                             | 37           | 36 | 37           | 30 |
| 5                             | 36           | 35 | 36           | 28 |
| 6                             | 32           | 32 | 32           | 25 |
| 8                             | 24           | 24 | 24           | 19 |
| 10                            | 18           | 18 | 18           | 14 |
| 12                            | 13           | 13 | 13           | 10 |
| 14                            | 11           | 11 | 11           | 9  |

Multiple units Footcandles on wall

| Distance from ceiling in feet | 3' from wall |    | 3' from wall |    |
|-------------------------------|--------------|----|--------------|----|
|                               | 3'           | 4' | 3'           | 4' |
| 1                             | 19           | 15 | 19           | 17 |
| 2                             | 37           | 35 | 37           | 31 |
| 3                             | 52           | 50 | 52           | 42 |
| 4                             | 60           | 59 | 60           | 49 |
| 5                             | 60           | 60 | 60           | 48 |
| 6                             | 56           | 56 | 56           | 44 |
| 8                             | 44           | 45 | 44           | 34 |
| 10                            | 35           | 35 | 35           | 27 |
| 12                            | 28           | 28 | 28           | 22 |
| 14                            | 24           | 24 | 24           | 19 |

# 4 1/2" aperture

## Framing projector - halogen/incandescent T4



Ceiling Cutout  
9 1/4" Dia.



### How to specify

Complete unit  
**7052QD**

| Aperture | Trim kit | Description       | Ceiling cutout | Type   | Input voltage | Lamp, maximum wattage | Length (L) | Width (W) | Height (H) | Face plate finish |
|----------|----------|-------------------|----------------|--------|---------------|-----------------------|------------|-----------|------------|-------------------|
| 4 1/2"   | 7052QD   | Framing projector | 9 1/4"         | Non-IC | 120V          | T4, 100W              | 20"-30"    | 17 1/8"   | 10 5/8"    | Matte White       |
|          |          |                   |                |        |               |                       | 20"-30"    | 17 1/2"   | 10 5/8"    |                   |
|          |          |                   |                |        |               |                       | 20"-30"    | 17 1/8"   | 10 5/8"    |                   |
|          |          |                   |                |        |               |                       | 20"-30"    | 17 1/2"   | 10 5/8"    |                   |

### Beam coverage and illumination

#### Vertical plane

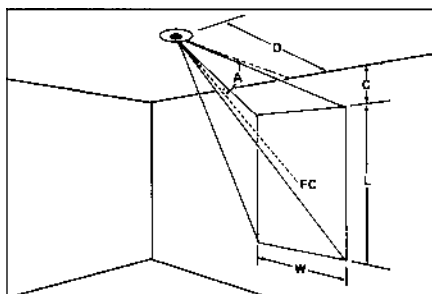
**Aiming angles: 45° and 60° from horizontal. Shutters fully open for maximum beam coverage.**

| Distance (D)       | 24"          | 30"          | 36"          | 42"         | 48"         | 54"         | 60"         |
|--------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|
| Aiming Angle (A)   | 45° 60°      | 45° 60°      | 45° 60°      | 45° 60°     | 45° 60°     | 45° 60°     | 45° 60°     |
| Distance (C) (Min) | 8" 17"       | 11" 21"      | 13" 26"      | 16" 30"     | 18" 35"     | 21" 40"     | 23" 44"     |
| Width (W) (Max)    | 20" 25"      | 25" 31"      | 29" 38"      | 34" 44"     | 39" 50"     | 44" 56"     | 49" 63"     |
| Length (L) (Max)*  | 37" 65"      | 46" 82"      | 56" 98"      | 65" 114"    | 74" 131"    | 84" 147"    | 93" 163"    |
| F.C. on Beam Axis  | <b>63 22</b> | <b>41 14</b> | <b>28 10</b> | <b>21 7</b> | <b>16 6</b> | <b>13 5</b> | <b>10 4</b> |

\*Length is to point where illumination drops to 10% of illumination on beam axis.

#### Example

At a 30" mounting distance (D) and a 45° aiming angle (A), the Framing Projector will illuminate a rectangular area 25" wide by 46" high, 11" down from the ceiling, with the shutters fully open and will provide 41 footcandles on the beam axis.



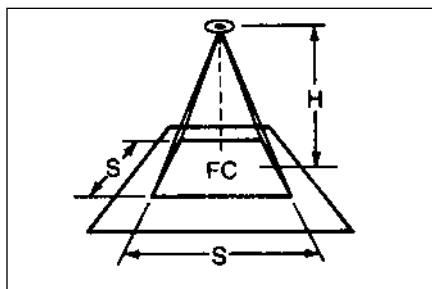
#### Horizontal plane

**Aiming angle: 0° from vertical. Shutters fully open for maximum beam coverage.**

| Distance (H)      | 4'  | 5'  | 6'  | 7'  | 8'  | 9'  | 10'  | 11'  | 12'  |
|-------------------|-----|-----|-----|-----|-----|-----|------|------|------|
| Sides (S) (Max)   | 41" | 51" | 61" | 71" | 81" | 91" | 101" | 111" | 121" |
| F.C. on Beam Axis | 41  | 27  | 19  | 14  | 11  | 9   | 7    | 6    | 5    |

#### Example

At a 6' mounting height (H) and an aiming angle of 0° from vertical, the Framing Projector will illuminate a square area 61" by 61" with the shutters fully open and will provide 19 footcandles on the beam axis. Shutters may be adjusted to reduce illuminated area.





## 6" & 9" aperture

### Surface halogen/incandescent Cylinders

#### How to specify

Complete unit

7065AZ

| Aperture | Trim kit | Description                   | Color | Type   | Input voltage | Lamp, maximum wattage                 | Length (L) | Width (W) | Height (H) |
|----------|----------|-------------------------------|-------|--------|---------------|---------------------------------------|------------|-----------|------------|
| 6"       | 7065AZ   | Ceiling mount-black baffle    | White | Non-IC | 120/277V      | PAR38, 150W • BR40, 120W • BR30, 65W  | 6 1/8"     | 6 1/8"    | 10 3/4"    |
| 6"       | 7065BK   | Ceiling mount-black baffle    | Black | Non-IC | 120/277V      | PAR38, 150W • BR40, 120W • BR30, 65W  | 6 1/8"     | 6 1/8"    | 10 3/4"    |
| 6"       | 7018AO   | Ceiling mount-clear reflector | White |        | 120/277V      | A21, 150W • PAR38, 150W • BR30, 85W   | 6 9/16"    | 6 9/16"   | 11 5/8"    |
| 6"       | 7018AOBK | Ceiling mount-clear reflector | Black |        | 120/277V      | A21, 150W • PAR38, 150W • BR30, 85W   | 6 9/16"    | 6 9/16"   | 11 5/8"    |
| 9"       | 7026AO   | Ceiling mount-clear reflector | White |        | 120/277V      | PAR38, 250W • BR40, 300W • ER30, 300W | 9 1/4"     | 9 1/4"    | 13 5/8"    |
| 9"       | 7026AOBK | Ceiling mount-clear reflector | Black |        | 120/277V      | PAR38, 250W • BR40, 300W • ER30, 300W | 9 1/4"     | 9 1/4"    | 13 5/8"    |

#### 6" Aperture 150W PAR38

Reflector trim: 7065AZ  CLW

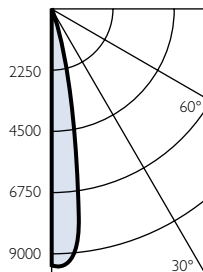


#### 6" Aperture 100W PAR38

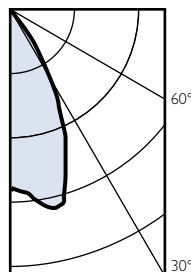
Reflector trim: 7018AO  CLW



**Report no.:** 7065AZ TBP  
**Lamp:** 7065AZ TBP  
**Initial lumens:** 7065AZ TBP  
**Efficiency:** 7065AZ TBP  
**Spacing:** 7065AZ TBP



**Report no.:** LOL0847FR  
**Lamp:** 100W PAR38 FL  
**Initial lumens:** 1,400  
**Efficiency:** 89.30%  
**Spacing:** 0.4

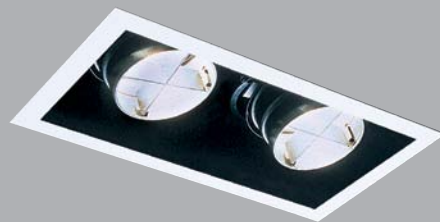




MURICE VILLEY  
New York

# ProSpec Linear

ProSpec Linear combines multiple adjustable accent lights in a single rectangular recessed housing, creating a particularly clean ceiling where a large number of lighting elements are required. ProSpec Linear is available in a range of sizes, lamp options and finishes.

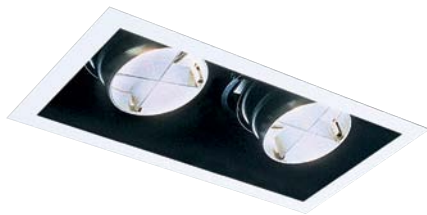




## Contents

- A series > 1.142
- B series > 1.143



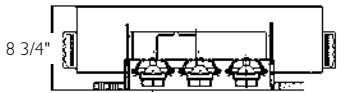


# Recessed linear

## A series halogen/incandescent

ProSpec Linear A series is designed to use where minimal source identification and maximum integration with the ceiling are desired. Ideal applications include perimeter and center of the store accent lighting. A series offers standard lamp head locking mechanism.

### Low voltage MR16

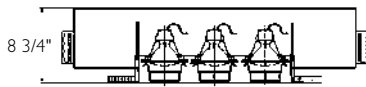


| Catalog #       | Lamp data        | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                  |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PA2M167E</b> | 2 MR16, 75W Max. | 10" x 5"          | 11 1/16" x 6 3/16" | 17 3/8" x 10" x 8 3/4" | 35°             | 45°        |
| <b>PA3M167E</b> | 3 MR16, 75W Max. | 15" x 5"          | 16 1/16" x 6 3/16" | 24 3/8" x 10" x 8 3/4" | 35°             | 45°        |

Multiple lamp spacing 5" on center

**Low voltage MR16 comes standard with electronic transformers**

### Line voltage PAR30



| Catalog #       | Lamp data         | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|-------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                   |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PA2P3075</b> | 2 PAR30, 75W Max. | 12" x 6"          | 15 1/16" x 8 3/16" | 21 1/2" x 10" x 8 3/4" | 30°             | 45°        |
| <b>PA3P3075</b> | 3 PAR30, 75W Max. | 18" x 6"          | 22 1/16" x 8 3/16" | 30 1/2" x 10" x 8 3/4" | 30°             | 45°        |

Multiple lamp spacing 5" on center

**120 Volt supply**

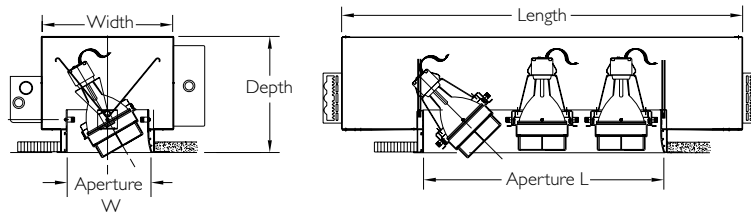
### Line voltage PAR38



| Catalog #       | Lamp data          | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|--------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                    |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PA1P3810</b> | 1 PAR38, 100W Max. | 7" x 7"           | 8 3/16" x 8 3/16"  | 15 3/8" x 10" x 8 3/4" | 30°             | 40°        |
| <b>PA2P3810</b> | 2 PAR38, 100W Max. | 14" x 7"          | 15 1/16" x 8 3/16" | 27 1/2" x 10" x 8 3/4" | 30°             | 40°        |
| <b>PA3P3810</b> | 3 PAR38, 100W Max. | 21" x 7"          | 22 1/16" x 8 3/16" | 39 1/2" x 10" x 8 3/4" | 30°             | 40°        |
| <b>PA4P3810</b> | 4 PAR38, 100W Max. | 28" x 7"          | 29 1/16" x 8 3/16" | 51 1/2" x 10" x 8 3/4" | 30°             | 40°        |

Multiple lamp spacing 7" on center

**120V Supply**



### Finish/trim and voltage options

**Finish/trim options:** Add one of the following suffixes for finish and trim options.

**BTL** Matte black trimless (no flange)

**WTL** Matte white trimless (no flange)

**BL** Matte black with white flange

**WL** Matte white with white flange Example: **PB4P3810 + BL** = ProSpec Linear B Series 4-Light, Black with white flange


**Voltage options for PA, PB, PE MR16, AR111 or T4/T6 lamping:** Add one of the following suffixes for voltage designation.


**1** = 120V or **2** = 277V Example: **PA2M167EBL** = ProSpec Linear A series 1-light, MR16, 75W, electronic transformer, black with white flange, 120V


For magnetic transfers, replace the "E" code with "M". Example: **PA2M167MBL1**

**Accessories:** A complete filter accessory consists of size and suffix: AF4 + UV = AF4UV.

**Size**

**AF25 +**  = 2 1/2" (Use w/MR16 units)

**AF3 +**  = 3 3/4" (Use w/PAR30 units)

**AF4 +**  = 4 3/4" (Use w/PAR38 units)

**Hex Cell Louvers**

**AL25HC** = 2 1/2" Hex cell louver

**AL3HC** = 3 3/4" Hex cell louver

**AL4HC** = 4 3/4" Hex cell louver

**Diffusion/special filters**

**UV** - Optivex UV reduction†

**PF** - Perimeter frost

**SY** - 55° Spread lens

**LF** - Light frost

**IR** - Infra-Red reduction

**AS** - 5° x 55° Asymmetrical spread

†Optivex UV filters by Bausch & Lomb

**Note:** When using accessories with MR16 units, lamping is reduced to 50 watts maximum.

**Color filters (prefix for color filters is ADF-i.e. ADF3)**

**Primary colors**

**RD** Red

**BL** Blue

**GR** Green

**MA** Medium amber

**Secondary colors**

**MM** Medium magenta

**BG** Blue green

**YG** Yellow green

**Mixing colors**

**SP** Surprise pink

**SB** Steel blue

**DA** Daylight color correction

**LS** Light straw

**BA** Bastard amber

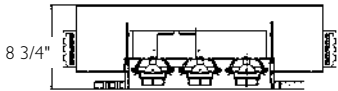
**LP** Light pink

# Recessed linear

## B series halogen / incandescent / metal halide

ProSpec Linear B series is designed for increased aiming flexibility. With its flush-mounted media cartridges, it also provides a sparkle at the ceiling line. The B series is ideal for perimeter accent lighting and higher ceilings where source concealment is not a concern. B series offers standard lamp head locking mechanism. B series offers optional T4 or T6 lamping.

### Low voltage MR16

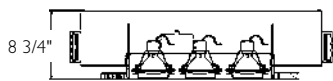


| Catalog #       | Lamp data        | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                  |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PB2M167E</b> | 2 MR16, 75W Max. | 10" x 5"          | 11 1/16" x 6 3/16" | 17 3/8" x 10" x 8 3/4" | 45°             | 45°        |
| <b>PB3M167E</b> | 3 MR16, 75W Max. | 15" x 5"          | 16 1/16" x 6 3/16" | 24 3/8" x 10" x 8 3/4" | 45°             | 45°        |

Multiple lamp spacing 5" on center

**Low voltage MR16 comes standard with electronic transformers**

### Line voltage PAR 30

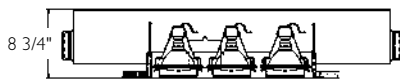


| Catalog #       | Lamp data         | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|-------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                   |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PB2P3075</b> | 2 PAR30, 75W Max. | 12" x 6"          | 13 1/16" x 7 3/16" | 21 1/2" x 10" x 8 3/4" | 40°             | 45°        |
| <b>PB3P3075</b> | 3 PAR30, 75W Max. | 18" x 6"          | 19 1/16" x 7 3/16" | 30 1/2" x 10" x 8 3/4" | 40°             | 45°        |

Multiple lamp spacing 6" on center

**120V Supply**

### Line voltage PAR 38

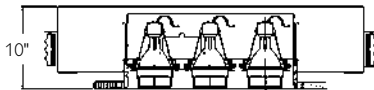


| Catalog #       | Lamp data          | Aperture<br>L x W | Dimensions         |                        | Lamp adjustment |            |
|-----------------|--------------------|-------------------|--------------------|------------------------|-----------------|------------|
|                 |                    |                   | Cutout             | Housing                | Widthwise       | Lengthwise |
| <b>PB1P3810</b> | 1 PAR38, 100W Max. | 7" x 7"           | 8 3/16" x 8 3/16"  | 15 3/8" x 10" x 8 3/4" | 40°             | 45°        |
| <b>PB2P3810</b> | 2 PAR38, 100W Max. | 14" x 7"          | 15 1/16" x 8 3/16" | 27 1/2" x 10" x 8 3/4" | 40°             | 45°        |
| <b>PB3P3810</b> | 3 PAR38, 100W Max. | 21" x 7"          | 22 1/16" x 8 3/16" | 39 1/2" x 10" x 8 3/4" | 40°             | 45°        |
| <b>PB4P3810</b> | 4 PAR38, 100W Max. | 28" x 7"          | 29 1/16" x 8 3/16" | 51 1/2" x 10" x 8 3/4" | 40°             | 45°        |

Multiple lamp spacing 7" on center

**120V Supply**

### Metal halide T4 B Series



| Catalog #        | Lamp data      | Aperture<br>L x W | Dimensions         |                          | Lamp adjustment |            |
|------------------|----------------|-------------------|--------------------|--------------------------|-----------------|------------|
|                  |                |                   | Cutout             | Housing                  | Widthwise       | Lengthwise |
| <b>PB2T420 +</b> | 2 T4, 20W Max. | 13" x 6 1/8"      | 14 1/16" x 7 3/16" | 21 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB3T420 +</b> | 3 T4, 20W Max. | 19 1/2" x 6 1/8"  | 20 9/16" x 7 3/16" | 30 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB4T420 +</b> | 4 T4, 20W Max. | 26" x 6 1/8"      | 27 1/16" x 7 3/16" | 39 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB2T439 +</b> | 2 T4, 39W Max. | 13" x 6 1/8"      | 14 1/16" x 7 3/16" | 21 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB3T439 +</b> | 3 T4, 39W Max. | 19 1/2" x 6 1/8"  | 20 9/16" x 7 3/16" | 30 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB4T439 +</b> | 4 T4, 39W Max. | 26" x 6 1/8"      | 27 1/16" x 7 3/16" | 39 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB2T470 +</b> | 2 T4, 70W Max. | 13" x 6 1/8"      | 14 1/16" x 7 3/16" | 21 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB3T470 +</b> | 3 T4, 70W Max. | 19 1/2" x 6 1/8"  | 20 9/16" x 7 3/16" | 30 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB4T470 +</b> | 4 T4, 70W Max. | 26" x 6 1/8"      | 27 1/16" x 7 3/16" | 39 3/8" x 10" x 8 13/16" | 30°             | 40°        |

Multiple lamp spacing 5" on center **120V Supply**

### Metal halide T6 B Series



| Catalog #        | Lamp data      | Aperture<br>L x W | Dimensions         |                          | Lamp adjustment |            |
|------------------|----------------|-------------------|--------------------|--------------------------|-----------------|------------|
|                  |                |                   | Cutout             | Housing                  | Widthwise       | Lengthwise |
| <b>PB2T639 +</b> | 2 T6, 39W Max. | 15" x 7 1/8"      | 16 1/16" x 8 3/16" | 27 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB3T639 +</b> | 3 T6, 39W Max. | 22 1/2" x 7 1/8"  | 23 9/16" x 8 3/16" | 39 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB4T639 +</b> | 4 T6, 39W Max. | 30 1/8" x 7 1/8"  | 40 1/16" x 8 3/16" | 51 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB2T670 +</b> | 2 T6, 70W Max. | 15" x 7 1/8"      | 16 1/16" x 8 3/16" | 27 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB3T670 +</b> | 3 T6, 70W Max. | 22 1/2" x 7 1/8"  | 23 9/16" x 8 3/16" | 39 3/8" x 10" x 8 13/16" | 30°             | 40°        |
| <b>PB4T670 +</b> | 4 T6, 70W Max. | 30 1/8" x 7 1/8"  | 40 1/16" x 8 3/16" | 51 3/8" x 10" x 8 13/16" | 30°             | 40°        |

Multiple lamp spacing 5" on center **120V Supply**

### Lamping options

| A Series | Line voltage |          |          | Metal halide |    | B Series | Line voltage |          |          | Metal halide |       |
|----------|--------------|----------|----------|--------------|----|----------|--------------|----------|----------|--------------|-------|
|          | Low voltage  | PAR30    | PAR38    | T4           | T6 |          | Low voltage  | PAR30    | PAR38    | T4           | T6    |
| 1 Lamp   |              |          |          |              |    | 1 Lamp   |              |          |          |              |       |
| 2 Lamp   | PA2M167E     | PA2P3075 | PA1P3810 |              |    | 2 Lamp   | PA2M167E     | PB2P3075 | PB1P3810 | PB1T4        | PB1T6 |
| 3 Lamp   | PA3M167E     | PA3P3075 | PA2P3810 |              |    | 3 Lamp   | PA3M167E     | PB3P3075 | PB2P3810 | PB2T4        | PB2T6 |
| 4 Lamp   |              |          | PA3P3810 |              |    | 4 Lamp   |              |          | PB3P3810 | PB3T4        | PB3T6 |
|          |              |          | PA4P3810 |              |    |          |              |          | PB4P3810 |              |       |

## Accessories & options

Calculite specification-grade luminaires have a wide variety of accessories and options available to meet virtually any architectural downlighting requirement. Decorative accessories create visual interest at the ceiling while maintaining a balance between architectural form and innovative design. Sloped ceiling and thick ceiling adaptors ensure maximum application flexibility, while color and diffusion filters, louvers and screens are available to precisely control and modify light for the most discerning spaces.





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| Fused art glass         | > | 1.147 | Emergency lighting battery pack        | > | 1.154 |
| Ordering guide          | > | 1.148 | Auxiliary lighting, emergency lighting | > | 1.155 |
| Finish and trim options | > | 1.150 | and starting conditions                | > | 1.155 |
| Installation, wiring    | > | 1.151 | Compact fluorescent conversion kits    | > | 1.154 |
| Conversion kits         | > | 1.152 |  |   |       |



## Vetro glass

### Decorative

A definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro Downlights open a world of creative potential. Designed for stand-out style or a reserved minimal look, the Downlights offer unlimited scope for a broad variety of applications – all within the same design family.

#### D01 series



##### D01 Series

A solid translucent form with aluminum beveled insert and minimal satin ring. A clean geometric form combines a solid translucence with diverging layers and internal reflections to create interest in light. Subtle light patterns are revealed as light emanates in differing ways when viewed from different angles. The layered lighting delivers a contrasting bright with an inner glow offset by the matte satin ring. Any space is enhanced by placement and position.

#### D02 series



##### D02 Series

Solid translucent disk with frosted interior and minimal satin ring. Light is released in layered complexity from this semi-recessed luminaire. A solid form of Decorative transparency teamed with frosted layers and lighting present an elegant look. Light floats upward to create a soft ceiling wash which adds yet more interest and definition to a space.

#### D03 series



##### D03 Series

Angled double opal glass accessory with satin aluminum ring. The ultimate in elegance the flared luminaire delivers soft, glowing light diffused by frosted opal glass. The setting of satin aluminum adds a distinct design element.

#### D04 series



##### D04 Series

Opal glass accessory with satin aluminum ring. Perfectly smooth opalescent cylinder highlights the clean design. A satin aluminum ring adds to the finely engineered look.

#### D13 series



##### D13 Series

Angled double opal glass in angled clear glass with satin aluminum ring. The striking design of opal encased in clear angled glass creates a stunning luminaire with exceptional interest. The simple pin supports on the satin aluminum ring add an understated element to the design.

#### D14 series



##### D14 Series

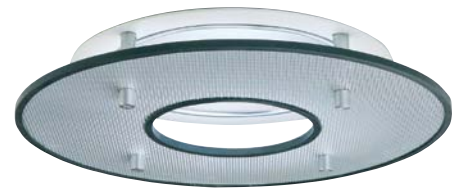
Opal glass in clear glass with satin aluminum ring. The perfectly illuminated design of opal encased in a layer of clear glass lends an added element of design for heightened interest. Simple pin supports on the satin aluminum ring create an understated visual element.

# Hand-fused art glass

## Decorative

Decorative Calculite from Philips Lightolier has taken a leadership role in the decorative arena. Architects, lighting consultants, and interior designers will find a full palette of decorative downlight elements to satisfy design challenges with an assortment of high quality hand-fused Art Glass, metals, acrylics and metal finishes.

These signature elements are designed with an ordering and installation process that addresses the desire for quick delivery and competitive pricing. Decorative Calculite's powerful array of shapes, sizes and diverse materials make it easy to incorporate premium quality lighting elements into virtually any interior design.



DS Glass Disc Solid aperture



The tempered soda lime glass features a sandblasted band 1 1/4" wide with a solid clear center. The element is fixed in position using four matte white painted aluminum spacers and chrome button type fasteners.

DC Suspended Acrylic Crown



The suspended acrylic crown is available in white (W), and cobalt blue (B). The suspended element is held in place with four brushed aluminum balls.

DD Glass Disc Open aperture



Features tempered soda lime glass with a clear edge band and a sandblasted ring around the open center aperture. The element is fixed in position using four matte white painted aluminum spacers and fasteners.

DR Single Ring



Circular solid metal ring suspended by four matching spacer rods. Available in brushed aluminum (BA).

GC Edgelit Circle



Features a white disc base fused to a colorful edge capped with a bubbled layer of clear glass. The standard colors offered for the edging are amber (A), and blue (B). The element is held in place with four stainless steel rods and matte white painted half-round spheres.

DA Aero-Wing



A circular molded ring with a unique wing profile, suspended by four aluminum spacer rods. The Aero-Wing (MN) or metallic aluminum (MA) painted finish.

GW Glass Waveform



Consists of a clear sandblasted base fused with a white waveform which is curved in appearance. The element is held in place with four stainless steel rods and matte white painted half-round spheres.

DP Perforated Disc









Perforated aluminum disc features a square-edged inner and outer rubber band. Available in satin aluminum with black rubber edging (SA) or matte white painted aluminum (WH) with white rubber edging. The element is fixed to the frame using four aluminum spacers and fasteners.



# Vetro glass

## Decorative ordering guide

Ordering information for Vetro glass

| Vetro Glass  | 3" Evolution | 4" Evolution | 4" Aperture | 6" Aperture | 7" Aperture |
|--|--------------|--------------|-------------|-------------|-------------|
|  D01 Series   | D3MR01       | D4MR01       | D4A01       | D6A01       | D7A01       |
|  D02 Series   | D3MR02       | D4MR02       | D4A02       | D6A02       | D7A02       |
|  D03 Series   | D3MR03       | D4MR03       | D4A03       | D6A03       | D7A03       |
|  D04 Series   | D3MR04       | D4MR04       | D4A04       | D6A04       | D7A04       |
|  D13 Series   | D3MR13       | D4MR13       | D4A13       | D6A13       | D7A13       |
|  D14 Series | D3MR14       | D4MR14       | D4A14       | D6A14       | D7A14       |

### Compatibility

Decorative Calculite elements are compatible with the following:

#### Line voltage

6" and 7 1/2" Apertures: See pages 162, 166, 167 for B7054, B7705, C7055, B7760, B7780, C7709, E7059

#### Compact fluorescent

6", 7", 8" Apertures: See pages 190, 192, 198 for 8021, 8022, 8023, 8031, 8037, 8051, 8052, 8056, 8065

**Note:** Not compatible with remodelers and HID product.

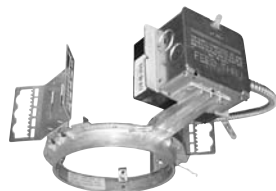
Consult factory for compatibility with Evolution.

Refer to Decorative section for additional information.

\* Decorative Vetro to be used with HID fixtures 39W Max. Consult factory for other options.

## How to order

For a complete Decorative Calculite downlight you need to specify the Frame-In Kit, Reflector, and Decorative Finish Kit.



### 1. Frame-in kit

Specify a compatible Calculite open downlight Frame-In Kit.



### 2. Reflector

Specify a compatible Calculite open downlight reflector with the molded trim ring/flangeless option (no suffix). Reflectors with a white painted (W) or polished (P) flange are not compatible.



### 3. Decorative finish kit

Specify the Decorative finish kit of your choice.

# Hand-fused art glass

## Decorative ordering guide



Ordering information for architectural designs

| Architectural Designs  | Color Options   | 6" Aperture    | 7" Aperture    |
|--|---|----------------|----------------|
|  Glass Disc Open Aperture | —   | DD6"           | DD7            |
|  Glass Disc Solid         | —   | DS6            | DS7            |
|  Perforated Disc          | White (with white rubber)<br>Satin Aluminum (with black rubber) | DP6WH<br>DP6SA | DP7WH<br>DP7SA |
|  Single Ring              | Brushed aluminum  | DR6BA          | DR7BA          |
|  Suspended Acrylic Crown  | White<br>Cobalt Blue  | DC6W<br>DC6B   | DC7W<br>DC7B   |
|  Aero-Wing               | Metallic Aluminum<br>Matte White                                | DA6MA<br>DA6MW | DT7PA<br>DT7PB |

### Compatibility

Decorative Calculite elements are compatible with the following:

#### Line voltage

6" and 7 1/2" Apertures:  
B7054, B7705, C7055,  
B7760, B7780, C7709,  
E7059



#### Compact fluorescent

6", 7", 8" Apertures:  
8021, 8022, 8023, 8031,  
8037, 8051, 8052, 8056,  
8065

**Note:** Not compatible with remodelers and HID product.

Consult factory for compatibility with Evolution.

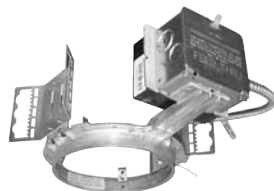
Ordering information for fused art glass

| Hand-fused Art Glass   | Color Options           | 6" Aperture  | 7" Aperture  |
|--|-------------------------|--------------|--------------|
|  Edgelit Circle - Bubble Effect | Amber edge<br>Blue edge | GC6A<br>GC6B | GC7A<br>GC7B |
|  Waveform                       | Neutral white           | GW6          | GW7          |

Decorative finish kits consist of: decorative element, trim ring, and hardware designed to fit on all flangeless 6" and 7" compact fluorescent and most incandescent open downlights (not for use with Calculite Evolution and ProSpec. When using C700 frame – maximum wattage allowed is 250W).

## How to order

For a complete Decorative Calculite downlight you need to specify the Frame-In Kit, Reflector, and Decorative Finish Kit.



**1. Frame-in kit**  
Specify a compatible Calculite open downlight Frame-In Kit.



**2. Reflector**  
Specify a compatible Calculite open downlight reflector with the molded trim ring/flangeless option (no suffix). Reflectors with a white painted (W) or polished (P) flange are not compatible.



**3. Decorative finish kit**  
Specify the Decorative finish kit of your choice.



# Finish and trim options

## Aperture appearance

The proliferation of lamp types and colors, the differences among lamp manufacturers, and the array of reflector types present some challenges in specifying finishes.

Lamps of the same color temperature and type (e.g. 3500K triple tube) but from different manufacturers may look different in the same reflector.

Lamps of the same color temperature and same manufacturer but of different types (e.g. triple tube vs. quad tube) may look different in the same reflector.

Therefore, using a single type, color, and brand of lamp produces the most consistent appearance among all the downlights used in a space.

Vertical, horizontal, and louvered optics all look different when the reflectors are finished in the same process. To compensate, Philips Lightolier finishes each of these reflector types differently. Our goal is to produce the closest match among all downlights.

Not all finishes and reflector options are available for all products. See specification sheet for more information.

## Care & maintenance

If handling of reflectors with Alzak® finish is required, the use of clean white or plastic film gloves is recommended to avoid fingerprints. Alzak® surfaces can be cleaned by the following methods: Wipe off with soft clean, dry lint-free cloth; or wipe off with a soft cloth dampened in mild detergent solution, rinse, then wipe dry with lint-free cloth or paper towel. Avoid gritty cleaning agents.

**Note:** Not all options are available with all products. Review product information for compatibility.

## Calculate finish options



### CL Clear

Clear is the most specular and therefore most efficient finish available. Clear reflectors deliver maximum photometric performance but can produce a mirror image of the interior of the space.



### CCL Comfort clear

Comfort clear is a slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image inherent with specular finishes.



### CCD Comfort clear diffuse

Comfort clear diffuse is a semi-specular finish that softens the light at the source of the reflector. The finish creates a subtle, even luminance from the reflector cone.



### CCZ Champagne bronze

Champagne bronze is a semi-specular finish that softens the light at the source of the reflector while providing a warmer reflector appearance. Light output is slightly warmer as well.



### WH White

The matte white finish produces the brightest aperture when illuminated but provides the smoothest transition to most ceilings when off. White is available only with a white flange.



### BK Black

Black is a specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

## Low voltage transfer circuit

Designed to combine existing low voltage lighting with a 12 volt emergency unit power pack. In the event of utility power failure, the Low Voltage Transfer Circuit will allow the 12 volt emergency power unit to supply power directly to the lamps of the low voltage fixture.

Please refer to Safety Lighting Systems LTC-Low Voltage Transfer Circuit for additional information.



## Calculate trim options



### P Polished flange

5/8" wide integral flange polished and finished to match the appearance of the interior of the reflector (available option on most reflector types).



### W White painted flange

5/8" wide integral flange painted matte white. Standard trim detail on all reflectors.

## Sloped ceilings

Calculate adapters properly orient downlights when installed in sloped ceilings. The wide splay minimizes scalloping and beam distortion. Adapters are spun out of heavy gauge aluminum, are self-flanged, and are painted matte white (easily field repainted to match the ceiling). Adapters are produced specifically for sloped angles of MC (5°), MD (10°), ME (15°), MF (20°), MG (25°),

and MH (30°). They are used with complete standard fixtures (Frame-In-Kit and compatible reflector). To specify, add the desired slope angle suffix to the catalog number.

SCAHID - Mounting Kit Accessory Required for HID applications. Mounting hardware and adjustable mounting support included for T-Bar grid ceiling installations.

### Slope adapter

**7920**  
**7925**  
**7926**  
**7927**  
**7924**  
**7929**

### Aperture

4 1/2"  
6"  
7 3/8"  
8 3/4"  
9"  
12"

\*Downlights only (not Evolution) Compatible Frames\* See fixture specification sheets.

# Installation and wiring

## Evolution 2" thick ceilings adapters

### C4TCA2

| Frames    | Trims                                      |
|-----------|--|
| C4LVMU    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4ALVMU   | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4LVE1    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4LVE2    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4AICLVM1 | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4AICLVE1 | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |

### C6TCAD

For use with Evolution 6" Aperture DOWNLIGHT fixtures

Compatibility matrix

| Frames  | Trims              |
|---------|--------------------|
| C6120   | C6AD, C6P30D, C6AW |
| C6A120  | C6AD, C6P30D, C6AW |
| C6D120  | C6AD, C6P38D, C6AW |
| C6DA120 | C6AD, C6P38D, C6AW |
| C6AIC   | C6AD, C6P30D, C6AW |
| C6DAIC  | C6AD, C6P38D, C6AW |

### C6TCAA

For use with Evolution 6" Aperture Adjustable Accent Fixtures

Compatibility Matrix

| Frames  | Trims          |
|---------|----------------|
| C6LV    | C6P36A, C6P36A |
| C6ALV   | C6P36A, C6P36A |
| C6AICLV | C6P36A, C6P36A |
| C6120   | C6P30A         |
| C6A120  | C6P30A         |
| C6D120  | C6P38A         |
| C6DA120 | C6P38A         |
| C6AIC*  | C6P30A         |
| C6DAIC* | C6P38A         |

\*No Thru Circuit Wiring

Note: Max Wattage allowed may be restricted with the use of Thick Ceiling Adapters, see specification sheets for details.

### C4TCA

| Frames | Trims                          |
|--------|--------------------------------|
| C4120  | C4P20A, C4P20GD, C4P20GA       |
| C4A120 | C4P20A, C4P20GD, C4P20GA       |
| C4AIC  | C4P20A, C4P20GD, C4P20GAC6TCAD |

### Mounting bars

18" Long, set of 2 bars **1950**  
27" Long, set of 2 bars **1951**

Telescoping bars for mounting between wood joists spaced up to 24" o.c.

**7994\***

Set of 2 bars and 2 C-channel cross bars

### Mounting clips

T-bar Clips anchor 1950 or 1951 to T-bars. Set of 4 clips **1956**

Retaining Clips anchor pre-wired fixtures in existing ceiling. For modular fixtures only. Set of two clips. **7998\***

\*Not for use with 6" or 7 1/2" accent lights or lensed wall washers. Die cast frame only.

### Step down transformer

For supplying a 120V fixture from a 277V branch circuit, (20 amp. min.). Rated for: 277V, primary, 60Hz, 1.1 amp 120V, secondary; 300W max. incandescent load. Suitable for single or multiple fixtures, 300W max. load. 48" long leads included. See specification sheet 7997. Note: For accessible ceilings only when used with 6" or 7 1/2" aperture accent lights and lensed wall washers. **7997**

### Chicago plenum

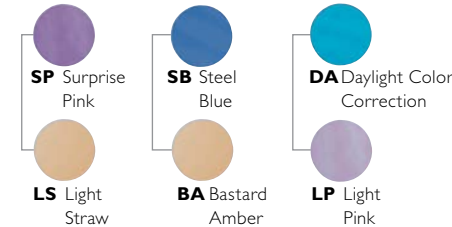
Most modular construction Calculites are available with construction approved for use in Chicago Air Plenum. Consult your Philips Lightolier Representative.

## Color filters

Series: **ADF2** = 2" dia., **ADF3** = 3 3/4" dia., **ADF4** = 4 3/4" dia., **ADF7** = 6 1/4" dia.

| Primary Colors: | Secondary Colors:        |
|-----------------|--------------------------|
| <b>RD</b> Red   | <b>MM</b> Medium Magenta |
| <b>BL</b> Blue  | <b>MA</b> Medium Amber   |
| <b>GR</b> Green | <b>BG</b> Blue Green     |
|                 | <b>YG</b> Yellow Green   |

## Mixing colors\*



\*Filters shown together mix to white.

## Calculite filters and accessories

### Accessory holder

**CAH7** Required to use a 6 1/4" Filter with Dual Function Adjustable Accent Fixtures, CDF7 series. Matte Black finish.

### Diffusion/special filters

Series: **AF2** = 2" dia., **AF3** = 3 3/4" dia., **AF4** = 4 3/4" dia., **AF7** = 6 1/4" dia.,

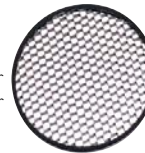
|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>UV</b> Optivex UV Reduction*   | <b>FR</b> Frosted Etched Lens   |
| <b>PF</b> Perimeter Frost         | <b>IR**</b> Infra-Red Reduction |
| <b>SY</b> Symmetrical Spread Lens | <b>AS**</b> Beam Elongator Lens |
| <b>SF</b> Solite Soft Focus Lens  |                                 |

\*Optivex UV filters by Bausch & Lomb

\*\*Not for use on all fixtures. See fixture spec sheet

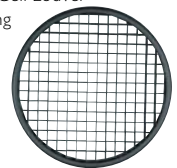
## Hex cell louvers

**AL2HC** = 2" dia. Hex Cell Louver  
**AL3HC** = 3 3/4" dia. Hex Cell Louver  
**AL4HC** = 4 3/4" dia. Hex Cell Louver  
**7472** = 2" dia. Hex Cell Louver (Bare Edge)



## Cube cell louvers

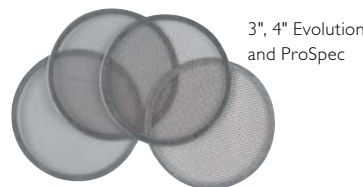
**AL4CC** = 4 3/4" dia. Cube Cell Louver  
**AL7CC** = 6 1/4" dia. Cube Cell Louver  
Provides additional light shielding and reduces lamp glare when needed. Matte black finish.



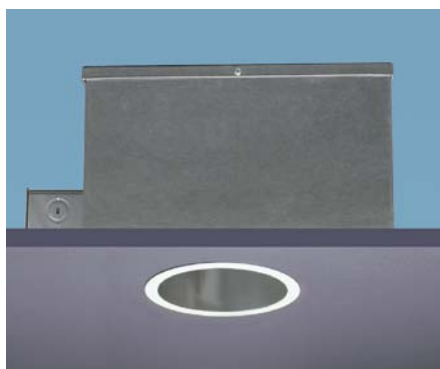
## Screen kits

**AS25LS** = 2 1/2" dia. Light Blocking  
**AS4LS** = 4 3/4" dia. Light Blocking  
**AS7LS** = 6 1/4" dia. Light Blocking

Each kit contains two 15% Light Blocking Screen and two 40% Light Blocking Screens.



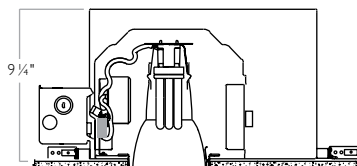
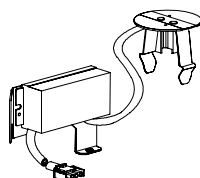
3", 4" Evolution and ProSpec



# CFL conversion kits

## 4 1/2" Aperture, compact fluorescent IC conversion kit

18 Watt triple tube



Shown with 8011 Series Trim & Frame

### Features

**IC Conversion Kit:** Calculate Evolution Fluorescent downlights provide energy efficient general illumination in applications with insulated ceilings. Conversion kits permit Triple Tube Compact Fluorescent lamps to be used with existing Evolution Incandescent IC frames and standard Calculate CFL trims. The conversion kits may be installed prior to mounting or at any time afterwards, existing Evolution incandescent fixtures can also be retrofitted.

**Electronic Ballast:** 120 Volts only. Short circuit and End-of-Life Protection. THD <10%, Class P, HPF.

**Compact Fluorescent Conversion Kit:** Converts previously installed incandescent Calculites to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculate conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output. Conversion kits also limit lamp pilferage or can be returned to incandescent use.

**Construction:** Screw-shell adaptor fits incandescent socket cup. Separate ballast compartment attaches to the previously installed frame. Socket cup snaps onto new fluorescent reflectors for correct lamp focus. All converted Calculites are UL Listed as new downlights.

**Electronic Ballast:** 120 volts only. Programmed start, non-pulsating starting down to 0°F.

**Reflector:** New 6" or 7" triple tube reflector required. See the matrix. For other fixtures, consult factory.

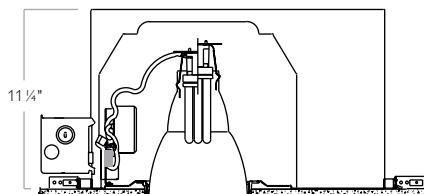
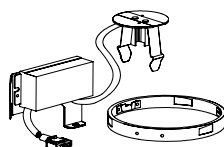
### How to Specify

| Frame | Conversion kit | Trim   | Description                      |
|-------|----------------|--------|----------------------------------|
| C4AIC | C4CFL18        | 8011   | Vertical Triple Tube Downlight   |
| C4AIC | C4CFL18        | 8011WW | Vertical Triple Tube Wall Washer |

For photometric information, see separate trim specification sheets.  
Note: Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal®)

## 6" Aperture, compact fluorescent IC conversion kit

26 or 32 Watt triple tube



Shown with 8021 Series Trim & Frame

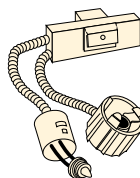
### How to specify

| Frame  | Conversion kit | Trim   | Description                      |
|--------|----------------|--------|----------------------------------|
| C6DAIC | C6CFL32        | 8021   | Vertical Triple Tube Downlight   |
| C6DAIC | C6CFL32        | 8021WW | Vertical Triple Tube Wall Washer |
| C6DAIC | C6CFL32        | 8091   | Lensed Downlight                 |
| C6DAIC | C6CFL32        | 8091CB | Cross Blade Downlight            |
| C6DAIC | C6CFL32        | 8046   | Lensed Wall Washer               |
| C6DAIC | C6CFL32        | 8031   | Horizontal Triple Tube Downlight |

For photometric information, see separate trim specification sheets.  
Note: Also compatible with C6120 (Non-IC) and C6A120 (Non-IC Airseal®)

## Compact fluorescent conversion kit

26 or 32 Watt triple tube (6" Aperture) 26,32, or 42W Triple tube (7" Aperture)



### How to specify

Conversion kit (120V only)

Existing incandescent

| Frame | Reflector        | Description             |
|-------|------------------|-------------------------|
| B600  | 7054             | 6" A lamp downlight     |
| B600  | 7705, 7760, 7780 | 6" R or PAR downlight   |
| E610  | 7059             | 6" Horizontal downlight |
| C700  | 7055, 7709       | 7" A, PAR downlights    |

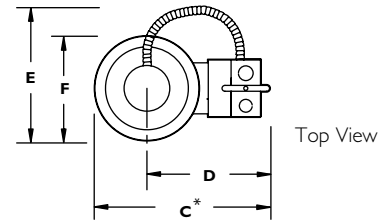
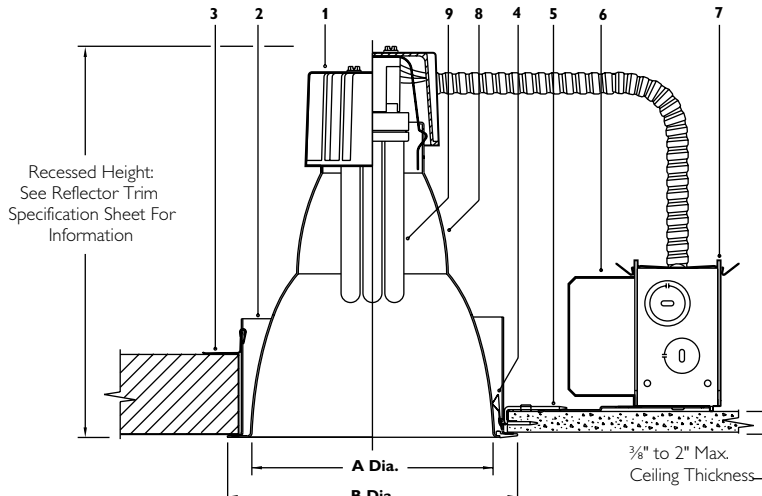
Recommended compact fluorescent reflector:

| Conversion kit | Compact fluorescent reflector |
|----------------|-------------------------------|
| 132B120CK      | + 8021 or 8031                |
| 132B120CK      | + 8021                        |
| 132B120CK      | + 8031                        |
| 132B120CK      | + 8022                        |

# Remodel frame-in kits

Compact lamps and efficient fixtures provide options for achieving high light levels while reducing the size of the ceiling opening. You no longer need to go to a 2' x 2' fluorescent product to provide adequate illumination and wide spacing. Matrix 9" x 9" square luminaires with two 42W triple tube compact fluorescent lamps are comparable in output to traditional recessed 2' x 2' troffers. Triple tube lamps have the added benefit of amalgam technology, which maintains lumen output over a wider range of operating temperatures.

## Compact fluorescent frames



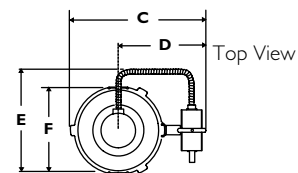
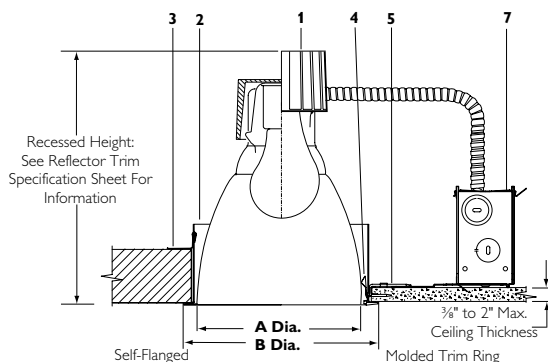
### Specifications

1. Snap-on Die-Cast Aluminum Socket Cup
2. Die-Formed Steel Frame
3. Mounting Frame Retaining Spring Clips
4. Reflector Retaining Spring Clips
5. Nail Pins secure J-Box/Ballast onto ceiling
6. Electronic Ballast: Universal voltage 120 thru 277V, HPF, Class P, THD <10%
7. Junction Box: Suitable for 90°C supply wiring connections.
8. Representative Reflector trim: 8021 series shown.
9. Triple Tube Compact Fluorescent, 4-Pin (by other) UL Listed For Damp Locations

**Notes:** Open wall washer reflector trims are not compatible. \* "C" dimension is applied for vertical lamping. For horizontal lamping see separate trim specification sheet.

|                 | Lamping                      | A      | B      | C       | D       | E       | F      | Compatible reflector trim series |
|-----------------|------------------------------|--------|--------|---------|---------|---------|--------|----------------------------------|
| <b>6132BURM</b> | 1 Lt. Triple Tube, 26/32W    | 6"     | 7 1/4" | 12 1/2" | 9 1/8"  | 8 1/2"  | 6 1/2" | <b>8021, 8031, 8046, 8091</b>    |
| <b>7142BURM</b> | 1 Lt. Triple Tube, 26/32/42W | 7 3/8" | 8 3/8" | 14 1/4" | 9 7/8"  | 10"     | 7 7/8" | <b>8022, 8037, 8047, 8097</b>    |
| <b>8142VURM</b> | 1 Lt. Triple Tube, 42W       | 8 3/4" | 9 7/8" | 15 1/4" | 10 1/2" | 11 1/4" | 9 1/8" | <b>8023</b>                      |
| <b>8242HURM</b> | 2 Lt. Triple Tube, 26/32/42W | 8 3/4" | 9 7/8" | 15 1/4" | 10 1/2" | 11 1/4" | 9 1/8" | <b>8038, 8039, 8069</b>          |

## Incandescent frames



### Specifications

1. Snap-on Die-Cast Aluminum Socket Cup
2. Die-Formed Steel Frame
3. Mounting Frame Retaining Spring Clips
4. Reflector Retaining Spring Clips
5. Nail Pins secure J-Box onto ceiling
6. (Not shown) Thermal Protector meets NEC and UL requirements. Insulation must be kept 3" away from fixture sides and wiring compartments and must not be placed above fixture in a manner which will entrap heat.
7. Junction Box: Suitable for 90°C supply wiring connections. UL Listed for Damp Locations

|               | A      | B      | C       | D       | E      | F      | Compatible reflector trim series | Lamping   |
|---------------|--------|--------|---------|---------|--------|--------|----------------------------------|---|
| <b>A400RM</b> | 4 1/2" | 5 3/4" | 11 7/8" | 8 3/8"  | 7"     | 5"     |                                  | <b>A7053</b> A19 100W max.<br><b>A7058</b> BR30 85W max. / PAR30 / ER30 75W max.<br><b>A7701</b> PAR16 / R20 75W max. / PAR20 50W max.  |
| <b>B600RM</b> | 6"     | 7 1/4" | 13 7/8" | 10 3/8" | 8 1/2" | 6 1/2" |                                  | <b>B7054</b> A19 100W max. / 150W A21 max.<br><b>B7705</b> BR30 85W max. / PAR30 75W max.<br><b>B7760</b> PAR38 150W / ER30 75W / BR30 85W / BR40/ER40 120 max.<br><b>B7780</b> PAR38 150W max. |
| <b>C700RM</b> | 7 3/8" | 8 3/8" | 16"     | 12"     | 10"    | 7 7/8" |                                  | <b>C7055</b> A21 150W max. / A23 200W max. / PS25 300W max.<br><b>C7709</b> PAR38 250W max.   |
| <b>G410RM</b> | 4 1/2" | 5 3/4" | 11 7/8" | 8 3/8"  | 7"     | 5"     |                                  | <b>G7057</b> A19 100W max. (horizontal lamping)   |

# Emergency lighting battery pack

## Compact fluorescent



### Features

**Emergency packs:** Solid state battery pack provides 90-minute emergency lighting when AC power fails. Lamps operate as shown below. Meets National Electric and Life Safety codes. Modular construction converts a standard downlight into an emergency unit and permits emergency downlights to be integrated into the lighting design.

**Battery pack:** Fully encased, long-life nickel cadmium; pre-wired with quick connect plug, may be replaced from below; charges from both 120 and 277 VAC.

### Test Switch and Charge Light

**FAEM1T, FAEM2T, FAEM3E:** Included in easy-to-install recessed switch box. May be remoted to closet or cabinet (up to 50' away) if desired. Matte white, 4 1/2" diameter canopy.

**FAEM4E:** Includes one piece test switch and charge light with 2 3/4" dia. matte white cover plate; installs in ceiling or in reflector. See separate specifications.

**Frame-in kit:** A standard Calculate compact fluorescent Frame-In Kit, see Compatibility Matrix.

**Ballast:** Electronic or magnetic as specified for AC operation; 120 or 277 volts.

**Reflector:** Any standard Calculate compact fluorescent reflector.

**Listing:** The Emergency Pack is UL Listed for indoor dry locations. Not approved for Chicago Plenum.

**How to specify:** The Frame-In Kit and Emergency Pack are shipped in separate cartons. The Battery Pack carton is labeled with an "FA" prefix (denoting Fluorescent Accessory). Ex:

**FAEM3E:** Most of frame-in kits are available with a factory installed emergency battery pack. Add suffix "EM" to Frame-In Kit number.

**Installation:** Emergency Pack installs in the field. It requires no additional plenum depth. Pack attaches to the standard Frame-In Kit mounting bracket. Battery, test switch, and charge light are pre-wired to one side of the quick-connect plug. Ballast and socket leads are field-installed to the other side of the plug.

### Compatibility matrix

| Lamp   |       | Wattage | Ballast      | Specify               |
|--------|-------|---------|--------------|-----------------------|
| Twin   | 2-pin | 13W     | Magnetic M   | <b>FAEM1T</b>         |
|        | 2-pin | 13W     | Magnetic M   | <b>FAEM1T</b>         |
| Quad   | 2-pin | 18W     | Magnetic M   | <b>FAEM2T</b>         |
|        | 2-pin | 26W     | Magnetic M   | <b>FAEM2T</b>         |
|        | 4-pin | 13W     | Electronic F | <b>FAEM3E, FAEM4E</b> |
|        | 4-pin | 18W     | Electronic F | <b>FAEM3E, FAEM4E</b> |
| Triple | 4-pin | 26W     | Electronic U | <b>FAEM3E, FAEM4E</b> |
|        | 4-pin | 18W     | Electronic G | <b>FAEM3E, FAEM4E</b> |
|        | 4-pin | 26W     | Electronic U | <b>FAEM3E, FAEM4E</b> |
|        | 4-pin | 32W     | Electronic U | <b>FAEM3E, FAEM4E</b> |
|        | 4-pin | 42W     | Electronic U | <b>FAEM3E, FAEM4E</b> |

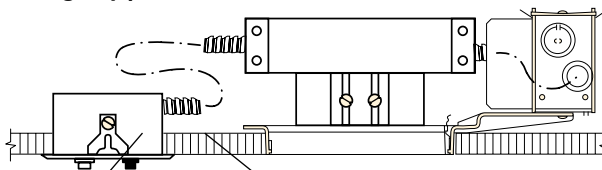
1. Consult factory for damp location.
2. FAEM3E and FAEM4E are not compatible with Ballast Type "C", "D" and "J" dimming frames.
3. FAEM4E not compatible with S7226 and S8242 series frames.

### Lumen output with battery pack

| Lamp               | 1-Light fixture | 2-Light fixture (both lamps on) |
|--------------------|-----------------|---------------------------------|
| 13W Twin (2-pin)   | –               | 625                             |
| 13W Quad (2-pin)   | 525             | 525                             |
| 18W Quad (2-pin)   | 520             | 520                             |
| 26W Quad (2-pin)   | 650             | 650                             |
| 13W Quad (4-pin)   | 350, 650**      | 425, 650**                      |
| 18W Quad (4-pin)   | 475, 650**      | 575, 650**                      |
| 26W Quad (4-pin)   | 600, 650**      | 700**                           |
| 18W Triple (4-pin) | 300, 650**      | 525                             |
| 26W Triple (4-pin) | 450, 650**      | 725                             |
| 32W Triple (4-pin) | 575, 650**      | 750                             |
| 42W Triple (4-pin) | 750, 650**      | –                               |

\*\* Lumen output for **FAEM3E**  
\*\* Lumen output for **FAEM4E**

### Emergency pack shown on standard frame-in kit



Indicator light      Test button

### Energy Star

Calculate now offers a 6", 1 lamp, 32W frame-in kit designed to comply with the Environmental Protection Agency's Energy Star program as well as California's Title 24 legislation. This product, designed to government specifications, provides the consumer with a highly energy-efficient lighting fixture. Energy Star® products are an excellent choice for residential and commercial applications as they offer significant savings in energy costs and are environmentally friendly.



# Auxiliary lighting, emergency lighting and starting conditions

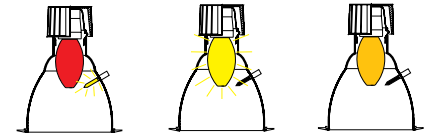
## HID

| Ballast           | ANSI Code            | Voltage | Max. amps | Input watts |
|-------------------|----------------------|---------|-----------|-------------|
| <b>Electronic</b> |                      |         |           |             |
| 20W MH            | <b>M156</b>          | 120/277 | 0.21/0.10 | 23          |
| 39W MH            | <b>M130</b>          | 120/277 | 0.39/0.17 | 44          |
| 70W MH            | <b>M98/M139/M143</b> | 120/277 | 0.67/0.28 | 78          |
| 100W MH           | <b>M90/M140</b>      | 120/277 | 0.90/0.43 | 110         |
| 150W MH           | <b>M102/M142</b>     | 120/277 | 1.40/0.61 | 167         |
| <b>Magnetic</b>   |                      |         |           |             |
| 39W MH            | <b>M130</b>          | 120/277 | 1.00/0.40 | 56          |
| 70W MH            | <b>M98/M143</b>      | 120/277 | 1.90/0.80 | 94          |
| 100W MH           | <b>M90/M140</b>      | 120/277 | 2.40/1.10 | 125         |
| 150W MH           | <b>M102</b>          | 120/277 | 3.70/1.60 | 180         |
| 175W MH           | <b>M57</b>           | 120/277 | 2.00/0.90 | 205         |
| 175W PS MH        | <b>M137/M152</b>     | 120/277 | 2.20/0.90 | 205         |
| 250W MH           | <b>M58</b>           | 120/277 | 2.60/1.10 | 290         |
| 250W PS MH        | <b>M138/M153</b>     | 120/277 | 2.80/1.20 | 290         |
| 320W PS MH        | <b>M132/M154</b>     | 120/277 | 3.40/1.50 | 370         |
| 400W MH           | <b>M59</b>           | 120/277 | 3.90/1.70 | 460         |
| 400W PS MH        | <b>M135</b>          | 120/277 | 4.10/1.80 | 465         |

PS = Pulse Start

Field install in-line fuse kits (slow-blow) for HID metal halide magnetic ballast frame-in kits.

| Lamp wattage | Ballast circuit   | ANSI Code  | Fuse rating |      | Philips Lightolier Fuse kit catalog no. | Amps. |
|--------------|-------------------|------------|-------------|------|---|-------|
|              |                   |            | 120V        | 277V |   |       |
| 50W          | HX-HPF            | M110, M148 | 3           | 2    |   |       |
| 70W          | HX-HPF            | M98, M143  | 4           | 2    | CAF2A                                   | 2     |
| 100W         | HX-HPF            | M90, M140  | 6 ¼         | 3    | CAF3A                                   | 3     |
| 150W         | HX-HPF            | M102, M142 | 10          | 4    | CAF4A                                   | 4     |
| 175W         | CWA               | M57        | 5           | 3    | CAF5A                                   | 5     |
| 175W         | SCWA, Pulse Start | M137, M152 | 5           | 3    | CAF6A                                   | 6 ¼"  |
| 250W         | CWA               | M58        | 8           | 4    | CAF8A                                   | 8     |
| 250W         | SCWA, Pulse Start | M138, M153 | 8           | 3    | CAF10A                                  | 10    |
| 320W         | SCWA, Pulse Start | M132, M154 | 8           | 3    |   |       |
| 400W         | CWA               | M59        | 10          | 5    |   |       |
| 400W         | SCWA, Pulse Start | M135, M155 | 10          | 4    |   |       |



### Features

**HID:** Many Calculite HID downlights are available with an Auxiliary or Emergency tungsten-halogen double-contact socket as a standard variant. Refer to specification sheet A/E for details.

**Electronic ballast for metal halide fixtures:** Electronic ballasts are available on many 20W-150W Metal Halide frames and cylinders. The standard Electronic HID Metal Halide ballast uses low frequency, constant wattage square wave technology. The benefits of a stable power source are longer lamp life and greater color stability. In addition, Low starting currents permit more luminaires on a single circuit.

**Auxiliary lighting for recessed HID luminaires (A):** HID lamps require a "warm-up" period of 5 to 10 minutes to reach full output. Additionally, when these lamps are extinguished they must cool for 5 to 15 minutes before they will relight. Outage can be caused by momentary power failure, substantial voltage reduction or cycle changes.

To provide a minimum level of illumination, a double-contact socket and solid-state switching device, (for use with a 120V tungsten-halogen lamp) operate during initial HID lamp warm-up, or cool-off-and-restart period.

The tungsten-halogen lamp remains on until the HID lamp reaches approximately 60% of its light output.

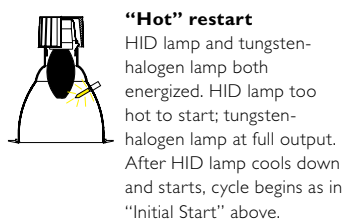
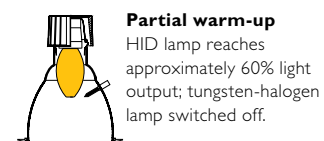
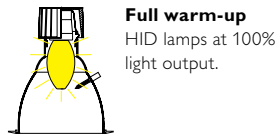
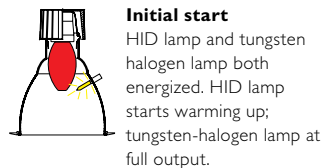
Note: The auxiliary is not emergency lighting and will only operate when there is power to the luminaire. The AUX system is available for magnetic ballast either 120V or 277V branch circuits with a ballast tap supplying 120V to the tungsten-halogen lamp. 120V electronic ballast can be operated with 120V branch circuit. For 277V, electronic, consult factory.

**Emergency lighting for recessed HID luminaires (E):** A tungsten-halogen lampholder, (without the switching device) prewired with #18AWG SF2 leads in a 5/16" x 26" long flexible greenfield cable, is provided with the luminaire for attachment to an AC 60 cycle power supply. Power supply by others.

**Starting conditions:** All magnetic ballasts operate with a starting current, considerably more than the operating current, circuits should be sized accordingly.

**Color Shift:** All Metal Halide lamps experience color shifts as they age. Color shift may be exacerbated by input voltage variation. And there may be some initial variation i.e. new lamps as well. This is a general characteristic of the source itself and should be considered when selecting the lighting system.

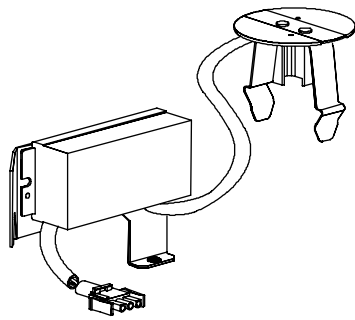
## Mode of operation



Maximum tungsten-halogen lamp wattage

| HID Lamp   | Tungsten-halogen Lamp T-4, 120V double-contact |
|------------|--|
| 39W-150W   | 100W   |
| 175W       | 150W   |
| 250W-400W* | 150W   |

\*250W-400W Metal Halide Calculite with optional Auxiliary Lighting or Emergency Lamp bears a Marked Spacing label indicating that the luminaire is not for residential use and that specified spacings must be maintained between:



## CFL conversion kits

Compact fluorescent conversion kit converts previously installed incandescent Frame-In Kits to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculate conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output.

Separate ballast attaches to the previously installed frame. Socket cup snaps onto fluorescent reflectors for correct lamp focus. Electronic ballast for 120 volts only. Soft, non-pulsating starting down to 0°F.

### Evolution 2" thick ceiling adapters (4 1/2" & 6")

#### C4TCA2

| Frames    | Trims                                      |
|-----------|--|
| C4LVMU    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4AICLVM1 | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4ALVMU   | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4LVE1    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |
| C4LVE2    | C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW |

#### C4TCA

| Frames | Trims                    |
|--------|--------------------------|
| C4120  | C4P20A, C4P20GD, C4P20GA |
| C4A120 | C4P20A, C4P20GD, C4P20GA |
| C4AIC  | C4P20A, C4P20GD, C4P20GA |

Note: Max Wattage allowed may be restricted with the use of thick ceiling adapters, see specification sheets for details.

#### C6TCAA

For use with Evolution 6" aperture adjustable accent fixtures

Compatibility matrix

| Frames  | Trims  |
|---------|--------|
| C6LV    | C6P36A |
| C6ALV   | C6P36A |
| C6AICLV | C6P36A |
| C6120   | C6P30A |
| C6A120  | C6P30A |
| C6D120  | C6P38A |
| C6DA120 | C6P38A |
| C6AIC*  | C6P30A |
| C6DAIC* | C6P38A |

\*No Thru Circuit Wiring

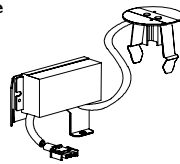
#### C6TCAD

For use with Evolution 6" aperture downlight fixtures

Compatibility matrix

| Frames  | Trims              |
|---------|--------------------|
| C6120   | C6AD, C6P30D, C6AW |
| C6A120  | C6AD, C6P30D, C6AW |
| C6D120  | C6AD, C6P38D, C6AW |
| C6DA120 | C6AD, C6P38D, C6AW |
| C6AIC   | C6AD, C6P30D, C6AW |
| C6DAIC  | C6AD, C6P38D, C6AW |

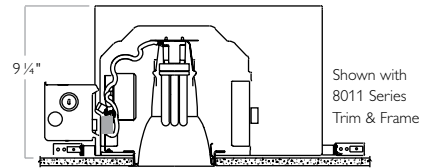
### 4 1/2" Aperture, IC conversion kit 18 Watt triple tube



#### How to specify

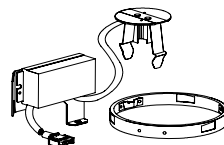
| Frame | Conversion kit | Trim   | Description                      |
|-------|----------------|--------|----------------------------------|
| C4AIC | C4CFL18        | 8011   | Vertical triple tube downlight   |
| C4AIC | C4CFL18        | 8011WW | Vertical triple tube wall washer |

Note: Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal®)



For photometric information, see separate trim specification sheets.

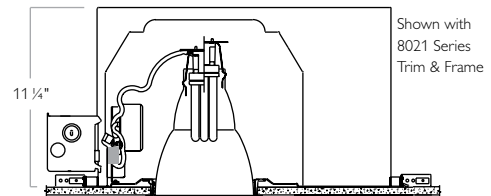
### 6" Aperture, IC conversion kit 26 or 32 Watt triple tube



#### How to specify

| Frame  | Conversion Kit | Trim   | Description                      |
|--------|----------------|--------|----------------------------------|
| C6DAIC | C6CFL32        | 8021   | Vertical triple tube downlight   |
| C6DAIC | C6CFL32        | 8021WW | Vertical triple tube wall washer |
| C6DAIC | C6CFL32        | 8091   | Lensed downlight                 |
| C6DAIC | C6CFL32        | 8091CB | Cross blade downlight            |
| C6DAIC | C6CFL32        | 8046   | Lensed wall washer               |
| C6DAIC | C6CFL32        | 8031   | Horizontal triple tube downlight |

Note: Also compatible with C6D120 (Non-IC) and C6DA120 (Non-IC Airseal®)



For photometric information, see separate trim specification sheets.

### Pinhole finishes



**CA3FMR** 3" Evolution Flangeless Trim Accessory Ring  
Machined aluminum accessory ring (ordered separately) is used with 3" aperture flangeless trims (FT suffix) to provide a flush custom installation. After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished.



**SA Satin aluminum**  
Satin aluminum, knife-edged pinhole aperture with matching flange.



**BK Black**  
Matte black, knife-edged pinhole aperture with matte white flange.



**WH White**  
Matte white, knife-edged pinhole aperture with matching flange.







Philips Lightolier offers a wide selection of specification downlights engineered for flexibility, value and ease of installation.

## Contents

|                                     |   |       |                                   |   |       |
|-------------------------------------|---|-------|-----------------------------------|---|-------|
| Xceed LED                           | > | 1.164 | Ardee ModuleX M3                  | > | 1.216 |
| Xceed compact fluorescent           | > | 1.168 | Ardee MatreX                      | > | 1.230 |
| Uniframe LED                        | > | 1.176 | Ardee Indigo                      | > | 1.235 |
| Uniframe compact fluorescent        | > | 1.182 | Ardee Hover CF                    | > | 1.238 |
| Uniframe HID                        | > | 1.194 | LytePoints low voltage luminaires | > | 1.244 |
| Lytecaster performance incandescent | > | 1.202 | Lytepoints accessories            | > | 1.269 |
| Ardee Focus & Varianti              | > | 1.208 |                                   |   |       |

# Lytecaster

Lytecaster offers an extremely wide and useful range of downlights, wall washers and accent lights for residential and light commercial applications.

Lytecaster specification grade families include Xceed and Uniframe, Lytecaster can provide general lighting, wall washing, accent lighting and task lighting. Lytecaster's optically designed reflectors provide glare control and light output.

All Lytecaster downlights are also designed to be easily installed, with a host of features that allow fast, consistent installations every time.





## Contents

|                                     |   |       |
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| Xceed LED                           | > | 1.164 |
| Xceed compact fluorescent           | > | 1.168 |
| Uniframe LED                        | > | 1.176 |
| Uniframe compact fluorescent        | > | 1.182 |
| Uniframe HID                        | > | 1.194 |
| Lytecaster Performance incandescent | > | 1.202 |

# Xceed LED & CFL

## Round or square

The Xceed LED and CFL fixtures offer the shallowest housing in their category. Period.



### Architectural features

- Round or square aperture; 5 5/16"
- Energy-efficient LED & CFL options
- Shallow 3 1/2" fixture depth
- Downlight, wall wash and sloped ceiling trims
- Standard wet location listed
- Energy Star & California Title 24 options

### Installation convenience

- CFL option ships with 2700K or 3500K lamp
- LED 50,000 life (L70) based on IESNA-LM80-2008
- Twist and lock CFL lamp holder for easy replacement
- Offset aperture for near-joist installation
- Swivel lock mounting bars.
- Offset aperture hole for installation close to joists.



Pivoting mechanism on frame allows for 90° adjustment of mounting bar.

3.5" housing height

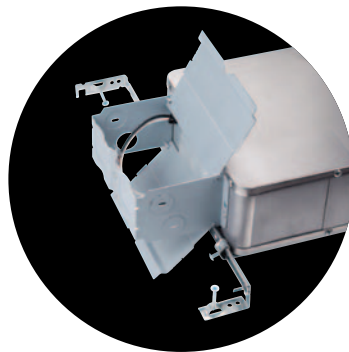
### Performance

- 82 CRI LED option
- Integral glass diffusion lenses
- CFL dimming to 15%
- LED dimming to 10%

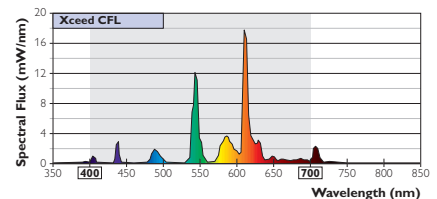
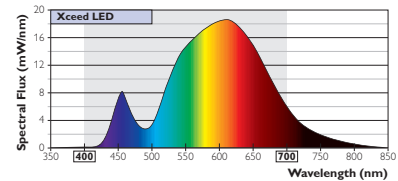
### Dimming range

LED: 100% – 10% CFL: 100% – 15%

See specification sheet(s) for dimmer compatibility.



Innovative top/bottom junction access allows for easy wiring and installation.



## LED specific test data

### Independent test data

#### LM-79 Electrical and photometric measurements of solid-state lighting products

An IES-approved method to quantify the performance of the fixture's total luminous flux, luminous efficacy (lm/w), luminous intensity (candelas) and chromaticity, CRI and color temperature.

This method specifies that products should be tested with absolute rather than relative photometry. Absolute photometry takes into account the performance of the LEDs as used in a particular fixture in its production configuration. The impact of the fixture's orientation and thermal management is accounted for in this method.

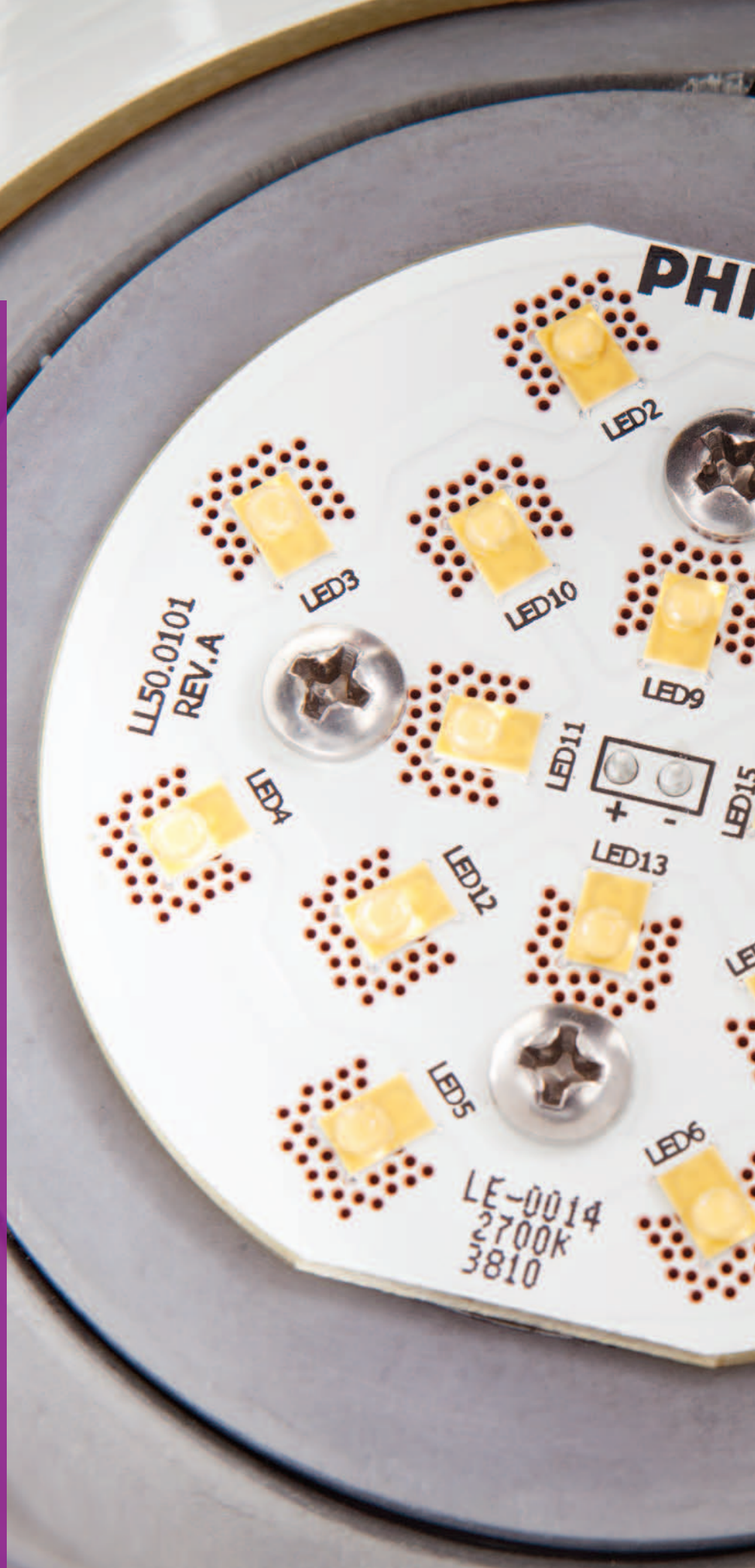
#### LM-80 measuring lumen maintenance of LED light sources

An IES-approved method to determine the lumen maintenance of LED light sources.

The LED manufacturers provide life ratings for individual LED's at specific drive currents and operating temperatures.

In turn, the luminaire manufacturer measures the drive current and temperature in their LED fixture. The data is crossed to estimate LED life in a fixture.

L70 is the life at which the fixture delivers 70% of initial light output.





# Xceed LED IC housing

## 5" Round frame-in kits

Lytecaster Xceed provides all the benefits of LED technology in spaces that require insulation. With its insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings. Its unique 3.5" shallow design allows it to fit in almost any ceiling and is available in a warm 2700K color temperature.

### 5" Xceed LED new construction IC - 600 lumen

Xceed LED is a three part system. The frame system consists of a frame-in kit and a light engine component. Once selected, choose from any trim to complete your product.

1. Select frame
2. Add light engine
3. Choose trim (p. 1.167)

Designed for new construction where insulation will be installed. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1 1/2" thick. Pivoting bar-ends and pre installed mounting screws/nails are standard.

AirSeal® complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories

#### Xceed 600 lumen frames - round

| Catalog no.         |   | Input | Wattage | Lumen | Dimming signal         |
|---------------------|---|-------|---------|-------|------------------------|
| <b>1050LRN06D1</b>  | 600lm frame, round, dimming, 120v               | 120v  | 16W     | 600   | Electronic low voltage |
| <b>1050LRN06D1N</b> | 600lm frame, round, dimming, preset nails, 120v | 120v  | 16W     | 600   | Electronic low voltage |

#### Xceed 600 lumen light engines - round

| Catalog no.        |                                       | Input | Wattage | Lumen | Color |
|--------------------|---------------------------------------|-------|---------|-------|-------|
| <b>1050LRN0627</b> | LED Light engine, 600lm, round, 2700K | 120v  | 16W     | 600   | 2700K |
| <b>1050LRN0635</b> | LED Light engine, 600lm, round, 3500K | 120v  | 16W     | 600   | 3500K |

#### Xceed 900 lumen frames - round

| Catalog no.         |   | Input | Wattage | Lumen | Dimming signal         |
|---------------------|---|-------|---------|-------|------------------------|
| <b>1050LRN09D1</b>  | 900lm frame, round, dimming, 120v               | 120v  | 20W     | 900   | Electronic low voltage |
| <b>1050LRN09D1N</b> | 900lm frame, round, dimming, preset nails, 120v | 120v  | 20W     | 900   | Electronic low voltage |

#### Xceed 900 lumen light engines - round

| Catalog no.        |                                       | Input | Wattage | Lumen | Color |
|--------------------|---------------------------------------|-------|---------|-------|-------|
| <b>1050LRN0927</b> | LED Light engine, 900lm, round, 2700K | 120v  | 20W     | 900   | 2700K |
| <b>1050LRN0935</b> | LED Light engine, 900lm, round, 3500K | 120v  | 20W     | 900   | 3500K |

# Xceed LED trims

## 5" Round trims

Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient LED sources. Xceed trims provide excellent shielding and performance by using a high transmission Solite lens that diffuses the light source while directing light out of the fixture.



### 5" Xceed lensed downlight - round

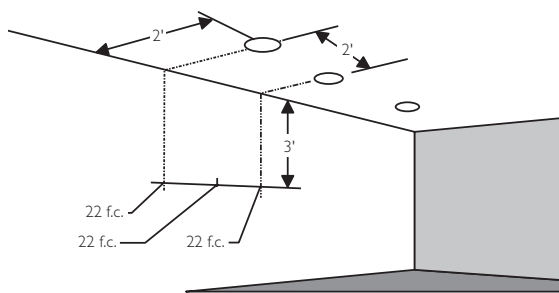


| Catalog no.  | Description                         |
|--------------|-------------------------------------|
| 1050LRNDLWB  | White baffle, white flange          |
| 1050LRNDLCDW | Clear diffuse, white flange         |
| 1050LRNDLCDP | Clear diffuse, clear diffuse flange |
| 1050LRNDLWC  | White cone, white flange            |

### 5" Xceed lensed slope / wall wash - round



| Catalog no.   | Description                         | Reference data                  |
|---------------|-------------------------------------|---------------------------------|
| 1050LRNSLWWB  | White baffle, white flange          | Reflector: 1050LRNSLWWB - 900lm |
| 1050LRNSLWCDW | Clear diffuse, white flange         | CCT: 3500K LED                  |
| 1050LRNSLWCDP | Clear diffuse, clear diffuse flange | Luminaire lumens: 967           |
| 1050LRNSLWWC  | White cone, white flange            | Efficacy: 49 lm/w               |



Multiple units - Footcandles on wall  
2' from wall - 2' on center

| Distance from ceiling in Feet | □ <--- 2' ---> □ |    |    |
|-------------------------------|------------------|----|----|
|                               | 1                | 22 | 22 |
| 2                             | 30               | 30 | 30 |
| 3                             | 22               | 22 | 22 |
| 4                             | 15               | 15 | 15 |
| 5                             | 10               | 10 | 10 |
| 6                             | 7                | 7  | 7  |
| 7                             | 5                | 5  | 5  |
| 8                             | 4                | 4  | 4  |
| 9                             | 3                | 3  | 3  |
| 10                            | 2                | 2  | 2  |

Multiple units - Footcandles on wall  
3' from wall - 3' on center

| Distance from ceiling in Feet | □ <--- 3' ---> □ |    |    |
|-------------------------------|------------------|----|----|
|                               | 1                | 6  | 5  |
| 2                             | 13               | 11 | 13 |
| 3                             | 13               | 13 | 13 |
| 4                             | 11               | 11 | 11 |
| 5                             | 9                | 9  | 9  |
| 6                             | 7                | 7  | 7  |
| 7                             | 5                | 5  | 5  |
| 8                             | 4                | 4  | 4  |
| 9                             | 3                | 3  | 3  |
| 10                            | 2                | 2  | 2  |





# Xceed LED IC housing

## 5" Square frame-in kits

Lytecaster Xceed provides all the benefits of LED technology in spaces. With its insulated ceiling rating, AirSeal® compatibility, and its exceptionally shallow 3.5" height it fits in almost any ceiling. It is available in a warm 2700K color temperature or a cooler 3500K color temperature with an 80+ CRI.

### 5" Xceed LED new construction IC - 900 lumen

Xceed LED is a three part system. The frame system consists of a frame-in kit and a light engine component, and a trim.

1. Select frame
2. Add light engine
3. Choose trim (p. 1.167)

Designed for new construction where insulation will be installed. IC housings are designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1 1/2" thick. Pivoting bar-ends and pre installed mounting screws/

nails are standard. AirSeal® complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring. Mounting bars lock to T-bar ceiling runners without accessories

#### Xceed 600 lumen frames - square

| Catalog no.         |  | Input | Wattage | Lumen | Dimming signal         |
|---------------------|--|-------|---------|-------|------------------------|
| <b>1050LSQ06D1</b>  | 600lm frame, square, dimming, 120v               | 120v  | 16W     | 600   | Electronic low voltage |
| <b>1050LSQ06D1N</b> | 600lm frame, square, dimming, preset nails, 120v | 120v  | 16W     | 600   | Electronic low voltage |

#### Xceed 600 lumen light engines - square

| Catalog no.        |  | Input | Wattage | Lumen | Color |
|--------------------|--|-------|---------|-------|-------|
| <b>1050LSQ0627</b> | LED Light engine, 600lm, square, 2700K | 120v  | 16W     | 600   | 2700K |
| <b>1050LSQ0635</b> | LED Light engine, 600lm, square, 3500K | 120v  | 16W     | 600   | 3500K |

#### Xceed 900 lumen frames - square

| Catalog no.         |  | Input | Wattage | Lumen | Dimming signal         |
|---------------------|--|-------|---------|-------|------------------------|
| <b>1050LSQ09D1</b>  | 900lm frame, square, dimming, 120v               | 120v  | 20W     | 900   | Electronic low voltage |
| <b>1050LSQ09D1N</b> | 900lm frame, square, dimming, preset nails, 120v | 120v  | 20W     | 900   | Electronic low voltage |

#### Xceed 900 lumen light engines - square

| Catalog no.        |  | Input | Wattage | Lumen | Color |
|--------------------|--|-------|---------|-------|-------|
| <b>1050LSQ0927</b> | LED Light engine, 900lm, square, 2700K | 120v  | 20W     | 900   | 2700K |
| <b>1050LSQ0935</b> | LED Light engine, 900lm, square, 3500K | 120v  | 20W     | 900   | 3500K |

# Xceed LED trims

## 5" Square trims

Lytecaster Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient LED sources. Xceed trims provide excellent shielding and performance and use a high transmission Solite lens that diffuses for an incandescent like diffusion quality.

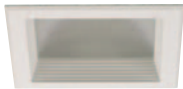


## 5" Xceed lensed downlight - square

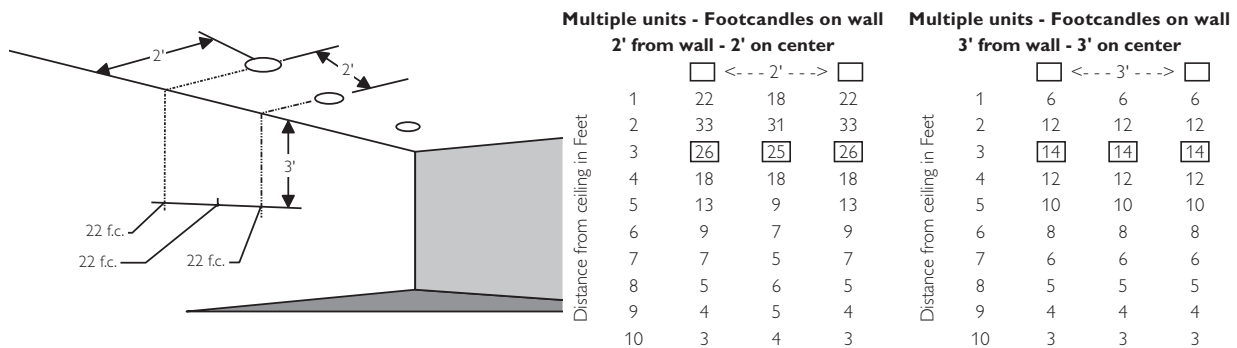


| Catalog no.  | Description                         |
|--------------|-------------------------------------|
| 1050LSQDLWB  | White baffle, white flange          |
| 1050LSQDLCDW | Clear diffuse, white flange         |
| 1050LSQDLCDP | Clear diffuse, clear diffuse flange |
| 1050LSQDLWC  | White cone, white flange            |

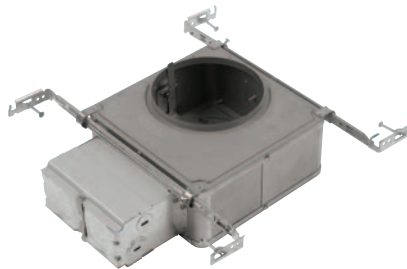
## 5" Xceed lensed slope / wall wash - square



| Catalog no.   | Description                         | Reference data                  |
|---------------|-------------------------------------|---------------------------------|
| 1050LSQSLWWB  | White baffle, white flange          | Reflector: 1050LSQSLWWB - 900lm |
| 1050LSQSLWCDW | Clear diffuse, white flange         | CCT: 3500K LED                  |
| 1050LSQSLWCDP | Clear diffuse, clear diffuse flange | Luminaire lumens: 967           |
| 1050LSQSLWWC  | White cone, white flange            | Efficacy: 49 lm/w               |



# Xceed CFL IC housings



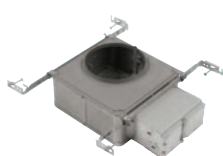
## 5" Round shallow frame-in kits

Our fixtures don't just utilize the most efficient light sources, they are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations.

## Insulated ceiling compact fluorescent

Lytecaster Xceed Compact Fluorescent provides all the benefits of compact fluorescent lighting in spaces that require insulation. With its Insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings. Philips Lightolier compact fluorescent downlights can either correspond to warm 2700K sources, ideal for residential applications, or cooler 3500K lighting for light commercial applications.

5" Xceed low profile IC AirSeal® new construction (1-light, round)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"



CA Title 24

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

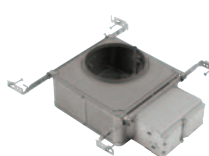
|                    |                         |
|--------------------|-------------------------|
| <b>1050RN13ES*</b> | 13w Triple GX24q-1 Base |
| <b>1050RN18ES*</b> | 18w Triple GX24q-2 Base |
| <b>1050RN26ES*</b> | 26w Triple GX24q-3 Base |

| Input power<br>Frame-in kit | Total watts | Amp (120V) |
|-----------------------------|-------------|------------|
| <b>1050RN13ES</b>           | 30          | .25        |
| <b>1050RN18ES</b>           | 41          | .34        |
| <b>1050RN26ES</b>           | 48          | .40        |

Specifically designed to provide all the value and functionality of traditional incandescent sources using energy efficient compact fluorescent sources.

- A 2700K or 3500K lamp is included with every frame

5" Xceed low profile IC AirSeal® new construction – dimming (1-light, round)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"



CA Title 24

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options. Please consult frame specification sheet for all compatible dimmers.

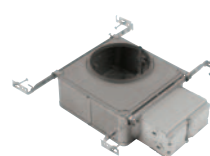
|                     |                         |
|---------------------|-------------------------|
| <b>1050DRN26ES*</b> | 26w Triple GX24q-3 Base |
|---------------------|-------------------------|

| Input power<br>Frame-in kit | Total watts | Amp (120V) |
|-----------------------------|-------------|------------|
| <b>1050DRN26ES</b>          | 28          | .23        |

- Ballast: Mounted inside Junction Box
- 120V NPF Energy Star® approved Electronic Ballast
  - Instant start with end of lamp life protection, class "P" thermal protection with a class "A" sound rating
  - Dims to approx. 20%
  - Min. starting temperature is 50°F (10°C)
  - Dimming allows precise adjustment of light levels and increased energy savings and lamp life

- Outperforms the industry standard 65 watt BR30 by up to 30%
- Flicker free, quick start lamp is completely shielded for visual comfort

5" Xceed low profile Non-IC AirSeal® new construction-commercial (1-light, round)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

|                    |                         |
|--------------------|-------------------------|
| <b>1050RN13CMU</b> | 13w Triple GX24q-1 Base |
| <b>1050RN18CMU</b> | 18w Triple GX24q-2 Base |
| <b>1050RN26CMU</b> | 26w Triple GX24q-3 Base |

| Input power<br>Frame-in kit | Total watts | Amp (120V) |
|-----------------------------|-------------|------------|
| <b>1050RN13CMU</b>          | 16          | .13 / .06  |
| <b>1050RN18CMU</b>          | 20          | .17 / .08  |
| <b>1050RN26CMU</b>          | 29          | .24 / .11  |

- Commercial version provides a universal 120/277V HPF ballast

- Unique design focuses on ease of installation and maintenance
- Only 3 1/2" high, installs in shallow plenums and can be wall mounted

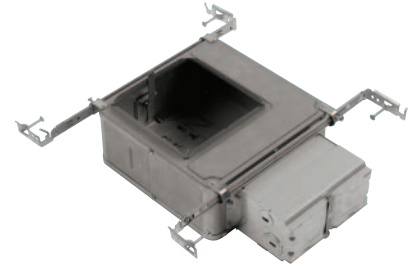
# Xceed CFL IC housing

## 5" Square shallow frame-in kits

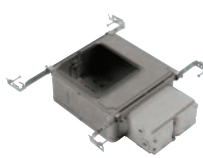
Xceed is Energy Star® and California Title 24 compliant.

Energy Star® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy. This program helps identify those products that have been designed to meet a certain criteria in energy efficiency. In 2007 Energy Star® products avoided greenhouse gas emissions equivalent to those from 27 million cars — all while saving \$16 billion in utility bills.

California Title 24 (Energy Conservation Act) is a building regulation that establishes standards and construction requirements to conserve energy. The standards include not-to-be-exceeded specifications for areas of the home directly impacting energy. Lighting in almost every room must be energy efficient (high efficacy) lighting, such as compact fluorescent or have some type of automatic lighting control.



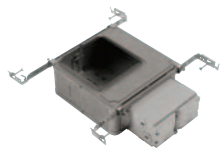
### 5" Xceed low profile IC AirSeal® new construction (1-light, square)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"



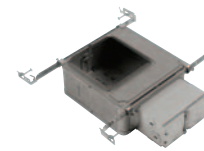
### 5" Xceed low profile IC AirSeal® new construction – dimming (1-light, square)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"



### 5" Xceed low profile Non-IC AirSeal® new construction-commercial (1-light, square)



Cut out 5-5/16"  
Width 8-1/4"  
Length 8-5/16"  
Depth 3-1/2"

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

**1050SQ13ES\*** 13w Triple GX24q-1 Base  
**1050SQ18ES\*** 18w Triple GX24q-2 Base  
**1050SQ26ES\*** 26w Triple GX24q-3 Base

| Input power Frame-in kit | Total watts | Amp (120V) |
|--------------------------|-------------|------------|
| <b>1050SQ13ES</b>        | 30          | .25        |
| <b>1050SQ18ES</b>        | 41          | .34        |
| <b>1050SQ26ES</b>        | 48          | .40        |

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options. Please consult frame specification sheet for all compatible dimmers.

**1050DSQ26ES\*** 26w Triple GX24q-3 Base

| Input power Frame-in kit | Total watts | Amp (120V) |
|--------------------------|-------------|------------|
| <b>1050DSQ26ES</b>       | 28          | .23        |

- Ballast: Mounted inside Junction Box
- 120V NPF Energy Star® approved Electronic Ballast
  - Instant start with end of lamp life protection, class "P" thermal protection with a class "A" sound rating
  - Dims to approx. 20%
  - Min. starting temperature is 50°F (10°C)
  - Dimming allows precise adjustment of light levels and increased energy savings and lamp life

\*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

**1050SQ13CMU** 13w Triple GX24q-1 Base  
**1050SQ18CMU** 18w Triple GX24q-2 Base  
**1050SQ26CMU** 26w Triple GX24q-3 Base

| Input power Frame-in kit | Total watts | Amp (120/277V) |
|--------------------------|-------------|----------------|
| <b>1050SQ13CMU</b>       | 16          | .13 / .06      |
| <b>1050SQ18CMU</b>       | 20          | .17 / .08      |
| <b>1050SQ26CMU</b>       | 29          | .24 / .11      |

- Commercial version provides a universal 120/277V HPF ballast

Specifically designed to provide all the value and functionality of traditional incandescent sources using energy efficient compact fluorescent sources.

- A 2700K or 3500K lamp is included with every frame

- Outperforms the industry standard 65 watt BR30 by up to 30%
- Flicker free, quick start lamp is completely shielded for visual comfort

- Unique design focuses on ease of installation and maintenance
- Only 3 1/2" high, installs in shallow plenums and can be wall mounted

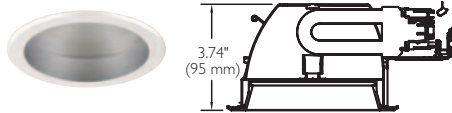
# Xceed CFL trims



## 5" Round trims

Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient compact fluorescent lamps. In fact, Xceed trims provide up to 30% more light than a 65W BR30 lamp. Xceed trims provide superior cut-off, shielding and performance by using a high transmission lens and horizontal lamping. Available in several popular finishes and two lens styles; solite and frosted solite glass.

## 5" Xceed lensed downlight - round



| Catalog no.          | Description  |
|----------------------|--|
| <b>1050RNDLWB</b>    | White baffle, white flange                         |
| <b>1050RNDLCDW</b>   | Clear diffuse, white flange                        |
| <b>1050RNDLCDP</b>   | Clear diffuse, clear diffuse flange                |
| <b>1050RNDLWDW</b>   | Warm diffuse, white flange                         |
| <b>1050RNDLWDP</b>   | Warm diffuse, warm diffuse flange                  |
| <b>1050RNDLWC</b>    | White cone, white flange                           |
| <b>1050RNDLFGWB</b>  | White baffle, white flange, frosted glass          |
| <b>1050RNDLFGCDW</b> | Clear diffuse, white flange, frosted glass         |
| <b>1050RNDLFGCDP</b> | Clear diffuse, clear diffuse flange, frosted glass |
| <b>1050RNDLFGWDW</b> | Warm diffuse, white flange, frosted glass          |
| <b>1050RNDLFGWDP</b> | Warm diffuse, warm diffuse flange, frosted glass   |
| <b>1050RNDLFGWC</b>  | White cone, white flange, frosted glass            |

| Frame-in kit              | Wattage | Lamping    | Reference data   |            |
|---------------------------|---------|------------|------------------|------------|
| <b>1050RN13ES Series</b>  | 13w     | (1) Triple | Reflector        | 1050RNDLWB |
| <b>1050RN18ES Series</b>  | 18w     | (1) Triple | Lamp             | 18W Triple |
| <b>1050RN26ES Series</b>  | 26w     | (1) Triple | Lamp lumens      | 1200       |
| <b>1050DRN26ES Series</b> | 26w     | (1) Triple | Efficiency       | 54.0%      |
| <b>1050RN13CMU Series</b> | 13w     | (1) Triple | Spacing criteria | 1.3        |
| <b>1050RN18CMU Series</b> | 18w     | (1) Triple |                  |            |
| <b>1050RN26CMU Series</b> | 26W     | (1) Triple |                  |            |

**Application data** Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 8                                | 8'            |
| 7'                      | 6                                | 9'            |
| 8'                      | 4                                | 10'           |

Beam diameter is where foot-candles drop to 50% of maximum.

# Xceed CFL trims

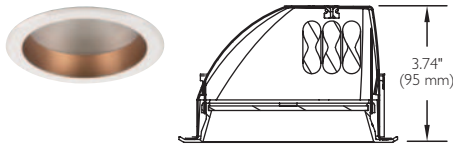
## 5" Round trims

Xceed optics are specifically designed to maximize performance:

- Uses 70% less energy than standard incandescent light bulbs
- High transmission lens increases performance while shielding the lamp from view

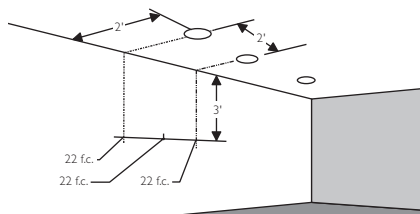


## 5" Xceed lensed slope / wall wash - round



| Catalog no.           | Description  |
|-----------------------|--|
| <b>1050RNSLWWB</b>    | White baffle, white flange                         |
| <b>1050RNSLWCDW</b>   | Clear diffuse, white flange                        |
| <b>1050RNSLWCDP</b>   | Clear diffuse, clear diffuse flange                |
| <b>1050RNSLWWDW</b>   | Warm diffuse, white flange                         |
| <b>1050RNSLWWDP</b>   | Warm diffuse, warm diffuse flange                  |
| <b>1050RNSLWWC</b>    | White cone, white flange                           |
| <b>1050RNSLWFGWB</b>  | White baffle, white flange, frosted glass          |
| <b>1050RNSLWFGCDW</b> | Clear diffuse, white flange, frosted glass         |
| <b>1050RNSLWFGCDP</b> | Clear diffuse, clear diffuse flange, frosted glass |
| <b>1050RNSLWFGWDW</b> | Warm diffuse, white flange, frosted glass          |
| <b>1050RNSLWFGWDP</b> | Warm diffuse, warm diffuse flange, frosted glass   |
| <b>1050RNSLWFGWC</b>  | White cone, white flange, frosted glass            |

| Frame-in kit              | Wattage | Lamping    | Reference data        |
|---------------------------|---------|------------|-----------------------|
| <b>1050RN13ES Series</b>  | 13w     | (1) Triple | Reflector 1050RNSLWWB |
| <b>1050RN18ES Series</b>  | 18w     | (1) Triple | Lamp 18W Triple       |
| <b>1050RN26ES Series</b>  | 26w     | (1) Triple | Lamp lumens 1200      |
| <b>1050DRN26ES Series</b> | 26w     | (1) Triple | Efficiency 47.9%      |
| <b>1050RN13CMU Series</b> | 13w     | (1) Triple | Spacing criteria 1.3  |
| <b>1050RN18CMU Series</b> | 18w     | (1) Triple |                       |
| <b>1050RN26CMU Series</b> | 26W     | (1) Triple |                       |



| Multiple units - Footcandles on wall<br>2' from wall - 2' on center |                  |    |    | Multiple units - Footcandles on wall<br>3' from wall - 3' on center |                  |    |    |    |
|---|------------------|----|----|---|------------------|----|----|----|
|   | □ <--- 2' ---> □ |    |    |   | □ <--- 3' ---> □ |    |    |    |
| Distance from ceiling in Feet                                       | 1                | 22 | 22 | 22  | 1                | 6  | 5  | 6  |
|   | 2                | 30 | 30 | 30  | 2                | 13 | 11 | 13 |
|   | 3                | 22 | 22 | 22  | 3                | 13 | 13 | 13 |
|   | 4                | 15 | 15 | 15  | 4                | 11 | 11 | 11 |
|   | 5                | 10 | 10 | 10  | 5                | 9  | 9  | 9  |
|   | 6                | 7  | 7  | 7   | 6                | 7  | 7  | 7  |
|   | 7                | 5  | 5  | 5   | 7                | 5  | 5  | 5  |
|   | 8                | 4  | 4  | 4   | 8                | 4  | 4  | 4  |
|   | 9                | 3  | 3  | 3   | 9                | 3  | 3  | 3  |
|   | 10               | 2  | 2  | 2   | 10               | 2  | 2  | 2  |

# Xceed CFL trims

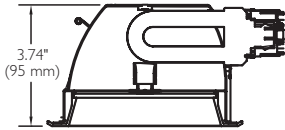


## 5" Square trims

Trims available include downlight and wall wash: All UL wet location listed trims.

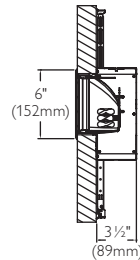
- Performance trims offer superior efficiencies: 65% Square, 55% Round
- Available in matte white cone or baffle, clear diffuse and our new warm diffuse finish
- New Indirect trim provides up-lighting or step lighting in one trim style
- Polished flanges available in both round and square trims

## 5" Xceed lensed downlight - square



| Catalog no.          | Description  |
|----------------------|--|
| <b>1050SQDLWB</b>    | White baffle, white flange                         |
| <b>1050SQDLCDW</b>   | Clear diffuse, white flange                        |
| <b>1050SQDLCDP</b>   | Clear diffuse, clear diffuse flange                |
| <b>1050SQDLWDW</b>   | Warm diffuse, white flange                         |
| <b>1050SQDLWDP</b>   | Warm diffuse, warm diffuse flange                  |
| <b>1050SQDLWC</b>    | White cone, white flange                           |
| <b>1050SQDLFGWB</b>  | White baffle, white flange, frosted glass          |
| <b>1050SQDLFGCDW</b> | Clear diffuse, white flange, frosted glass         |
| <b>1050SQDLFGCDP</b> | Clear diffuse, clear diffuse flange, frosted glass |
| <b>1050SQDLFGWDW</b> | Warm diffuse, white flange, frosted glass          |
| <b>1050SQDLFGWDP</b> | Warm diffuse, warm diffuse flange, frosted glass   |
| <b>1050SQDLFGWC</b>  | White cone, white flange, frosted glass            |

| Frame-in kit              | Wattage | Lamping    |
|---------------------------|---------|------------|
| <b>1050SQ13ES Series</b>  | 13w     | (1) Triple |
| <b>1050SQ18ES Series</b>  | 18w     | (1) Triple |
| <b>1050SQ26ES Series</b>  | 26w     | (1) Triple |
| <b>1050DSQ26ES Series</b> | 26w     | (1) Triple |
| <b>1050SQ13CMU Series</b> | 13w     | (1) Triple |
| <b>1050SQ18CMU Series</b> | 18w     | (1) Triple |
| <b>1050SQ26CMU Series</b> | 26w     | (1) Triple |



| Reference data   |            |
|------------------|------------|
| Reflector        | 1050SQDLWB |
| Lamp             | 18W Triple |
| Lamp lumens      | 1200       |
| Efficiency       | 65.4%      |
| Spacing criteria | 1.3        |

| Application data Single unit data 26W |                                  |               |               |
|---------------------------------------|----------------------------------|---------------|---------------|
| Height to Lighted plane               | initial center beam foot-candles | beam diameter | beam diameter |
| 6'                                    | 10                               | 8'            |               |
| 7'                                    | 8                                | 9'            |               |
| 8'                                    | 6                                | 10'           |               |

Beam diameter is where foot-candles drop to 50% of maximum.

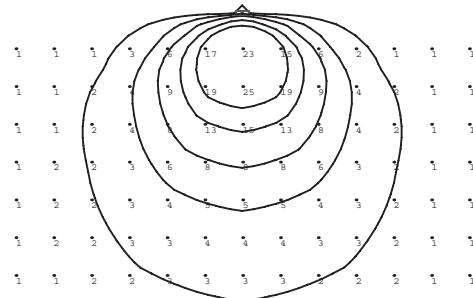
## 5" Xceed lensed step light / indirect light-square



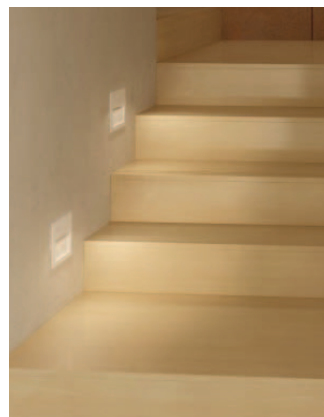
| Catalog no. | Description                          |
|-------------|--------------------------------------|
| 1050SQINFBW | Lensed square indirect flush - white |

| Reference data |             |
|----------------|-------------|
| Reflector      | 1050SQINFBW |
| Lamp           | 26W Triple  |
| Lamp lumens    | 1800        |
| Efficiency     | 36.6%       |

Lighting Single Unit – Footcandles on Horizontal Surface (Plan View)  
Luminaire 18" from Finished Surface 1 foot Grid Spacing



Initial footcandles, luminaire wall mounted 18" from horizontal surface, luminaire beam toward horizontal surface. Corridor is 8' wide by 8' high. Reflectances: 80% ceiling, 50% wall, 20% floor.



# Xceed CFL trims

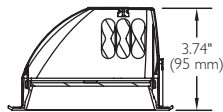
## 5" Square trims and wall wash

The ability of a product to perform while saving time and money is the key to providing value to all our customers. Xceed accomplishes this on several levels:

- Unique design focuses on ease of installation and maintenance
- A 2700K or 3500K lamp is included with every frame
- Out of the box, each frame is AirSeal®/insulated ceiling ready and is listed for both Energy Star® and Title 24

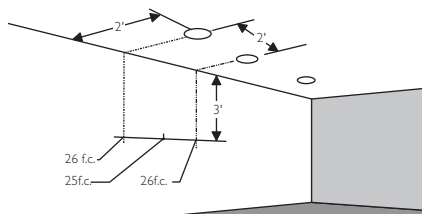


## 5" Xceed lensed slope / wall wash - square



| Catalog no.           | Description  |
|-----------------------|--|
| <b>1050SQSLWWB</b>    | White baffle, white flange                         |
| <b>1050SQSLWCDW</b>   | Clear diffuse, white flange                        |
| <b>1050SQSLWCDP</b>   | Clear diffuse, clear diffuse flange                |
| <b>1050SQSLWWDW</b>   | Warm diffuse, white flange                         |
| <b>1050SQSLWWDP</b>   | Warm diffuse, warm diffuse flange                  |
| <b>1050SQSLWWC</b>    | White cone, white flange                           |
| <b>1050SQSLWFGWB</b>  | White baffle, white flange, frosted glass          |
| <b>1050SQSLWFGCDW</b> | Clear diffuse, white flange, frosted glass         |
| <b>1050SQSLWFGCDP</b> | Clear diffuse, clear diffuse flange, frosted glass |
| <b>1050SQSLWFGWDW</b> | Warm diffuse, white flange, frosted glass          |
| <b>1050SQSLWFGWDP</b> | Warm diffuse, warm diffuse flange, frosted glass   |
| <b>1050SQSLWFGWC</b>  | White cone, white flange, frosted glass            |

| Frame-in kit              | Wattage | Lamping    | Reference data   |             |
|---------------------------|---------|------------|------------------|-------------|
| <b>1050SQ13ES Series</b>  | 13w     | (1) Triple | Reflector        | 1050SQSLWWB |
| <b>1050SQ18ES Series</b>  | 18w     | (1) Triple | Lamp             | 18W Triple  |
| <b>1050SQ26ES Series</b>  | 26w     | (1) Triple | Lamp lumens      | 1200        |
| <b>1050DSQ26ES Series</b> | 26w     | (1) Triple | Efficiency       | 47.9%       |
| <b>1050SQ13CMU Series</b> | 13w     | (1) Triple | Spacing criteria | 1.3         |
| <b>1050SQ18CMU Series</b> | 18w     | (1) Triple |                  |             |
| <b>1050SQ26CMU Series</b> | 26w     | (1) Triple |                  |             |



| Multiple units - Footcandles on wall<br>2' from wall - 2' on center |                  |    |    | Multiple units - Footcandles on wall<br>3' from wall - 3' on center |                  |    |    |
|---|------------------|----|----|---|------------------|----|----|
| Distance from ceiling in Feet                                       | □ <--- 2' ---> □ |    |    | Distance from ceiling in Feet                                       | □ <--- 3' ---> □ |    |    |
|   | 1                | 22 | 18 |   | 22               | 1  | 6  |
| 2   | 33               | 31 | 33 | 2   | 12               | 12 | 12 |
| 3   | 26               | 25 | 26 | 3   | 14               | 14 | 14 |
| 4   | 18               | 18 | 18 | 4   | 12               | 12 | 12 |
| 5   | 13               | 9  | 13 | 5   | 10               | 10 | 10 |
| 6   | 9                | 7  | 9  | 6   | 8                | 8  | 8  |
| 7   | 7                | 5  | 7  | 7   | 6                | 6  | 6  |
| 8   | 5                | 6  | 5  | 8   | 5                | 5  | 5  |
| 9   | 4                | 5  | 4  | 9   | 4                | 4  | 4  |
| 10  | 3                | 4  | 3  | 10  | 3                | 3  | 3  |



# Uniframe series

## LED, CFL, Metal halide and incandescent

Uniframe fixtures provide the project team with performance, flexibility, and ease of installation. Uniframe reflectors use specific trim/lamp combinations to maximize performance. Additionally the Uniframe housing is compatible with more than 60 standard Lytecaster trims.

### Lytecaster Uniframe LED

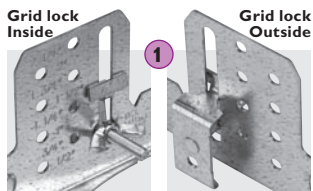
Uniframe sets the standard with the widest array of energy efficient products in the industry's easiest to install commercial design. Available in cutting edge LED technology, Uniframe is also available in HID and Compact Fluorescent lamp sources.



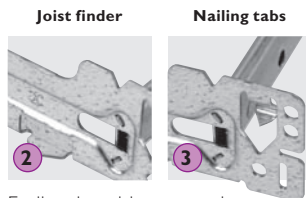
- Tool-free installation
- 900 lumens replaces 75w incandescent
- Available in 5" & 6" apertures
- Uses 75% less energy than incandescent
- Use existing Lytecaster trims for added flexibility and ceiling consistency.
- Replace existing incandescent sources with comparable lighting and aesthetics

### LED available in 900 lumens

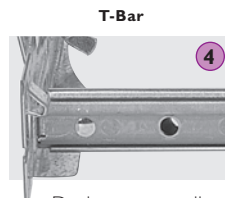
Uniframe LED provides all the great tool-free installation features of the original Uniframe product while providing 900 lumens of light using 75% less energy than comparable incandescent lamps.



Tool-free installation in grid ceiling. Automatically adjusts to any T-Bar height, width, and ceiling thickness with our new Grid-Lock™.



Easily adaptable to wood construction with integrated nailing tabs and vertical alignment tabs for standard joists and strapping.



Design secures tile down on T-Bar eliminating the tile floating upward during trim installation.



Easily adjusts from 16" O.C. wood joists to 24" O.C. T-Bar.



Locking mechanism eliminates frame movement.

Lytecaster remodeler LED



- Easily installs into existing ceilings
- Equal to a 75W incandescent
- Uses 75% less energy than incandescent
- Improved cut-off and optic performance
- Comparable design to our 5" 1003R / 6" 1103R remodeler

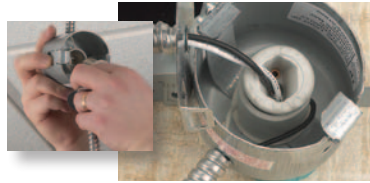
**LED advantage**

- ✓ Easily installs into existing ceilings from below.
- ✓ Add energy efficient lighting to any room.
- ✓ Replace existing fixtures with comparable lighting using a fraction of the energy.

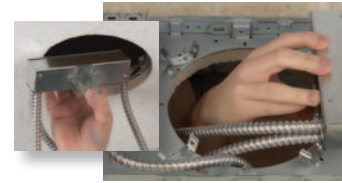
**Step 1** Remove the incandescent lamp and pull the existing trim down from the ceiling. Place the trim to the side.



**Step 2** Attach the male screw shell to the lamp socket and secure to the socket cup.



**Step 3** Install the LED driver onto the frame by sliding the driver clip under the frame.



**Step 4** Install the heat sink into the trim and clip the wiring to the top of the heat sink. Lytecaster LED is compatible with dozens of existing trims.



**Step 5** Push the trim back into the ceiling.



Retrofit kit provides the same light engine for installation in the 5" and 6" Lytecaster frames (1002P1 and 1102P1). See Standard Downlighting Section for this product.



- Tool-free installation
- Easily installs as a retrofit or as an energy efficient new construction downlight
- Uses 75% less energy than incandescent
- Dimming models use existing incandescent dimmer and wiring: saving money and labor
- Use existing Lytecaster trims for added flexibility and ceiling consistency.
- Replace existing incandescent sources with comparable lighting and aesthetics

# Uniframe LED non-IC housing

## 5" & 6 3/4" Frame-in kits



Designed with the same features as the hugely successful Uniframe CFL, this model provides all the energy efficiency of our state of the art LED system and combines it with the revolutionary design of Uniframe. The result, a product that uses 1/3 the energy and installs in 1/2 the time of other frames... that's a winning combination!

### 5" Uniframe LED new construction non-IC – 900 lumen – housing

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

| Catalog no.   | Color | Input | Wattage | Lumens* |                               |
|---------------|-------|-------|---------|---------|-------------------------------|
| 1001LED09N271 | 2700K | 120v  | 19W     | 900     | Cut out 5 1/4"                |
| 1001LED09N272 | 2700K | 277v  | 19W     | 900     | Width 9"                      |
| 1001LED09N351 | 3500K | 120v  | 19W     | 900     | Length 12 15/16"              |
| 1001LED09N352 | 3500K | 277v  | 19W     | 900     | Depth See specification sheet |

Add suffix "EM" for factory installed battery pack.

### 6 3/4" Uniframe LED new construction non-IC

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

| Catalog no.   | Color | Input | Wattage | Lumens* |                               |
|---------------|-------|-------|---------|---------|-------------------------------|
| 1101LED09N271 | 2700K | 120v  | 19W     | 900     | Cut out 6 15/16"              |
| 1101LED09N272 | 2700K | 277v  | 19W     | 900     | Width 9"                      |
| 1101LED09N351 | 3500K | 120v  | 19W     | 900     | Length 12 15/16"              |
| 1101LED09N352 | 3500K | 277v  | 19W     | 900     | Depth See specification sheet |

Add suffix "EM" for factory installed battery pack.

### 6 3/4" Uniframe LED new construction non-IC - dimming

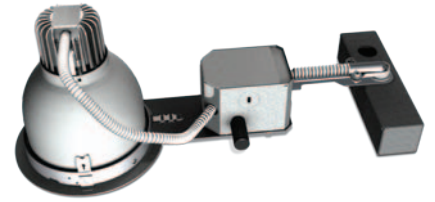
| Catalog no.    | Color | Input | Wattage | Lumens* |                               |
|----------------|-------|-------|---------|---------|-------------------------------|
| 1101LED09N27D1 | 2700K | 120v  | 23W     | 900     | Cut out 6 15/16"              |
| 1101LED09N35D1 | 3500K | 120v  | 23W     | 900     | Width 9"                      |
|                |       |       |         |         | Length 12 15/16"              |
|                |       |       |         |         | Depth See specification sheet |

# LED remodeler housing

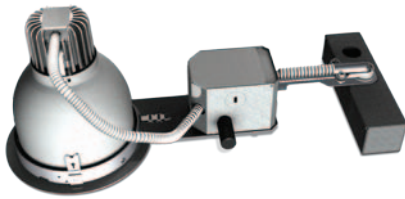
## 5" & 6 3/4" Remodeler frame-in kits

Designed to install in existing ceilings from below, this frame-in kit allows you to add state of the art LED technology to any space. The unique mounting ring securely holds to the ceiling while securing the trim for a flawless installation.

- Two-part system: Frame-in kit with integral light engine and trim



### 5" LED remodeler non-IC – housing



| Catalog no.   | Color | Input | Wattage | Lumens* |
|---------------|-------|-------|---------|---------|
| 1000LED09R271 | 2700K | 120v  | 19W     | 900     |
| 1000LED09R351 | 3500K | 120v  | 19W     | 900     |

### 5" LED remodeler non-IC – dimming\*\*

| Catalog no.    | Color | Input | Wattage | Lumens* |
|----------------|-------|-------|---------|---------|
| 1000LED09R27D1 | 2700K | 120v  | 23W     | 900     |
| 1000LED09R35D1 | 3500K | 120v  | 23W     | 900     |

|         |                         |
|---------|-------------------------|
| Cut out | 5 1/2"                  |
| Width   | 6 13/32"                |
| Length  | 16 13/16"               |
| Depth   | See specification sheet |

#### Non-dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|
| 120V          | 50/60Hz         | 0.16              | 20W             | < 20%   | >.9          | -20° C                        |

#### Dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature | % minimum dimming |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|-------------------|
| 120V          | 50/60Hz         | 0.2               | 23W             | < 20%   | >.9          | -20° C                        | < 5%              |

### 6 3/4" LED remodeler non-IC

| Catalog no.   | Color | Input | Wattage | Lumens* |
|---------------|-------|-------|---------|---------|
| 1100LED09R271 | 2700K | 120v  | 19W     | 900     |
| 1100LED09R351 | 3500K | 120v  | 19W     | 900     |

### 6 3/4" LED remodeler non-IC – dimming\*\*

| Catalog no.    | Color | Input | Wattage | Lumens* |
|----------------|-------|-------|---------|---------|
| 1100LED09R27D1 | 2700K | 120v  | 23W     | 900     |
| 1100LED09R35D1 | 3500K | 120v  | 23W     | 900     |

#### Non-dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|
| 120V          | 50/60Hz         | 0.16              | 20W             | < 20%   | >.9          | -20° C                        |

#### Dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature | % minimum dimming |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|-------------------|
| 120V          | 50/60Hz         | 0.2               | 23W             | < 20%   | >.9          | -20° C                        | < 5%              |

Designed for existing construction where insulation will not be installed. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings up to 2" thick. Junction box allows direct "daisy-chain" wiring to other fixtures. Tool-free cable clamps allow fast, convenient installation, for nonmetallic (Romex®) cable

|         |                         |
|---------|-------------------------|
| Cut out | 7 1/8"                  |
| Width   | 6 13/32"                |
| Length  | 18 7/16"                |
| Depth   | See specification sheet |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

\*\* See LED-DIM specification sheet for compatible dimmers.

# Uniframe LED trims

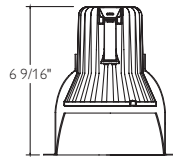


## 5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes

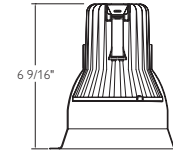
### 5" Aperture cone



#### Reflector

|               |                |                 |                                      |
|---------------|----------------|-----------------|--------------------------------------|
| <b>1008</b>   | Brushed gold   | <b>1008NM</b>   | Brushed gold, natural metal flange   |
| <b>1010</b>   | Brushed clear  | <b>1010NM</b>   | Brushed clear, natural metal flange  |
| <b>1012</b>   | Specular gold  | <b>1012NM</b>   | Specular gold, natural metal flange  |
| <b>1013</b>   | Specular clear | <b>1013NM</b>   | Specular clear, natural metal flange |
| <b>1013BK</b> | Specular black | <b>1013BKNM</b> | Specular black, natural metal flange |
| <b>1013CD</b> | Clear diffuse  | <b>1013CDNM</b> | Clear diffuse, natural metal flange  |
| <b>1013WH</b> | Matte white    |                 |                                      |

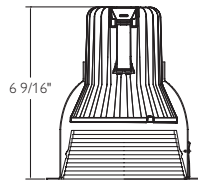
### 5" Basic white reflector



#### Reflector

**1071** Perma white

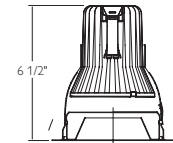
### 5" Step baffle



#### Reflector

|                |  |
|----------------|--|
| <b>1005</b>    | Matte black                                |
| <b>1005WH</b>  | Matte white                                |
| <b>1005NM</b>  | Matte black, natural metal flange          |
| <b>1005BNM</b> | Natural metal baffle, natural metal flange |

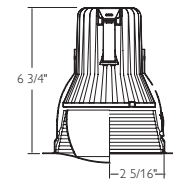
### 5" Pinhole



#### Reflector

**1011** Matte white  
Faceplate

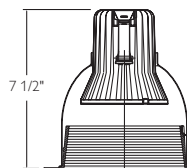
### 5" Step baffle wall washer



#### Reflector

**1035** Matte black step baffle  
**1035WH** Matte white step baffle

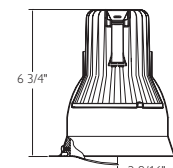
### 5" Basic baffle



#### Reflector

|               |             |
|---------------|-------------|
| <b>1076</b>   | Matte black |
| <b>1076WH</b> | Gloss white |

### 5" Basic wall washer



#### Reflector

**1085** Gloss white

# Uniframe LED trims

## 5" Trims

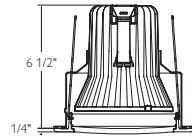


### 5" Lensed wet location



Reflector

**1090** Etch white

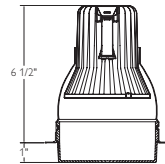


### 5" Opalex dropped wet location



Reflector

**1078** Lexan

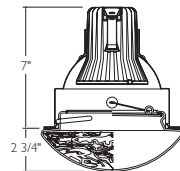


### 5" Cratere Dome



Reflector

**1024** Cratere Glass



# Uniframe LED trims

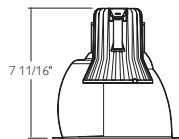


## 6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes

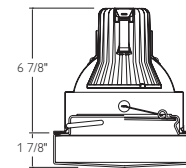
### 6 3/4" Basic eyelid wall washer



Reflector

- 1195 Specular gold
- 1196 Specular clear
- 1196CD Clear diffuse

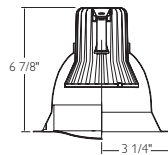
### 6 3/4" Opal disk



Reflector

- 1121 Opal glass

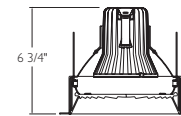
### 6 3/4" Basic eyelid wall washer



Reflector

- 1185 Gloss white

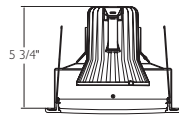
### 6 3/4" Fresnel lenslite



Reflector

- 1126 Fresnel lens

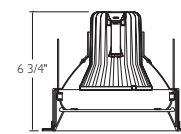
### 6 3/4" Lensed wet location



Reflector

- 1190 Etch white

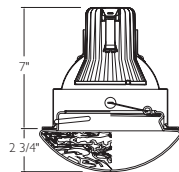
### 6 3/4" White diffuser



Reflector

- 1128 White Diffuser

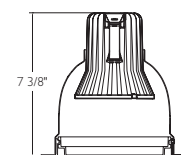
### 6 3/4" Cratere dome



Reflector

- 1124 Cratere glass

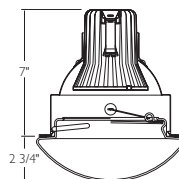
### 6 3/4" Opalex flush



Reflector

- 1177SH Lexan diffuser

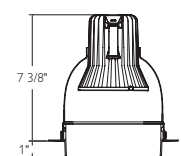
### 6 3/4" Opal dome



Reflector

- 1134 Opal glass

### 6 3/4" Opalex dropped diffuser



Reflector

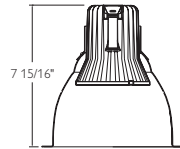
- 1178SH Lexan Diffuser

# Uniframe LED trims

## 6 3/4" Trims



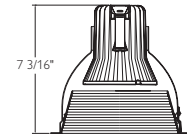
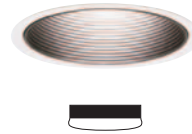
### 6 3/4" Deep anodized



Reflector

|               |                |
|---------------|----------------|
| <b>1145</b>   | Specular gold  |
| <b>1146</b>   | Specular clear |
| <b>1146CD</b> | Clear diffuse  |

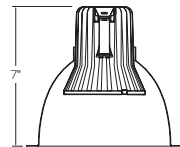
### 6 3/4" Step baffle



Reflector

|                |  |
|----------------|--|
| <b>1105</b>    | Matte black                                |
| <b>1105NM</b>  | Matte black, natural metal flange          |
| <b>1105BNM</b> | Natural metal baffle, natural metal flange |
| <b>1105WH</b>  | Matte white                                |

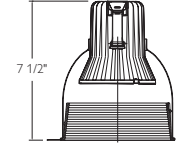
### 6 3/4" Shallow anodized



Reflector

|               |                |
|---------------|----------------|
| <b>1143</b>   | Specular gold  |
| <b>1144</b>   | Specular clear |
| <b>1144CD</b> | Clear diffuse  |

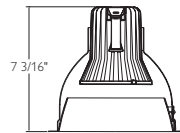
### 6 3/4" Basic baffle



Reflector

|               |             |
|---------------|-------------|
| <b>1176</b>   | Black       |
| <b>1176WH</b> | Gloss white |

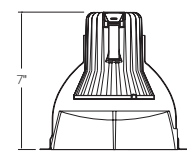
### 6 3/4" Aperture cone



Reflector

|               |                |                 |                                      |
|---------------|----------------|-----------------|--------------------------------------|
| <b>1108</b>   | Brushed gold   | <b>1108NM</b>   | Brushed gold, natural metal flange   |
| <b>1110</b>   | Brushed clear  | <b>1110NM</b>   | Brushed clear, natural metal flange  |
| <b>1112</b>   | Specular gold  | <b>1112NM</b>   | Specular gold, natural metal flange  |
| <b>1113</b>   | Specular clear | <b>1113NM</b>   | Specular clear, natural metal flange |
| <b>1113BK</b> | Specular black | <b>1113BKNM</b> | Specular black, natural metal flange |
| <b>1113CD</b> | Clear diffuse  | <b>1113CDNM</b> | Clear diffuse, natural metal flange  |
| <b>1113WH</b> | Matte white    |                 |                                      |

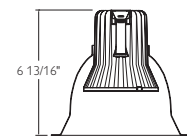
### 6 3/4" Cross blade



Reflector

|             |       |
|-------------|-------|
| <b>1132</b> | White |
|-------------|-------|

### 6 3/4" Basic white reflector



Reflector

|             |             |
|-------------|-------------|
| <b>1171</b> | Gloss white |
|-------------|-------------|



# Uniframe CFL housings



## 3 3/4", 5", 6 3/4" Non-IC frame-in kits

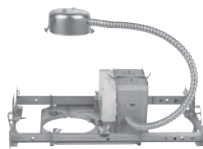
Philips Lightolier is dedicated to providing Energy Smart lighting. Our fixtures utilize the most efficient light sources and are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations in three unique aperture sizes.

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

### Universal electronic ballast

120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0°F.

## Uniframe 3 3/4" new construction

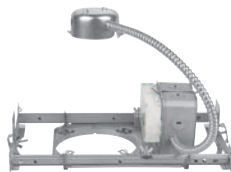


|                 |   |
|-----------------|---|
| <b>2001F13U</b> | 13w Quad/Triple Tube<br>G24q-1/GX24q-1 Base |
| <b>2001F18U</b> | 18w Triple Tube GX24q-2 Base                |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 3 15/16"                |
| <b>Width</b>   | 7 3/4"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

| Input power     |             |                |
|-----------------|-------------|----------------|
| Frame-in kit    | Total watts | Amp (120/277V) |
| <b>2001F13U</b> | 16w         | 0.13/0.06      |
| <b>2001F18U</b> | 19w         | 0.16/0.07      |

## Uniframe 5" new construction



|                 |   |
|-----------------|---|
| <b>1001F13U</b> | 13w Quad/Triple Tube<br>G24q-1/GX24q-1 Base |
| <b>1001F18U</b> | 18w Triple Tube GX24q-2 Base                |
| <b>1001F26U</b> | 26w Triple Tube GX24q-3 Base                |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 5 1/4"                  |
| <b>Width</b>   | 7 3/4"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

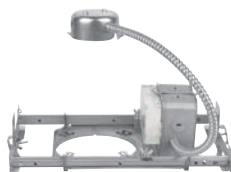
| Input power     |             |                |
|-----------------|-------------|----------------|
| Frame-in kit    | Total watts | Amp (120/277V) |
| <b>1001F13U</b> | 16w         | 0.13/0.06      |
| <b>1001F18U</b> | 20w         | 0.17/0.08      |
| <b>1001F26U</b> | 29w         | 0.24/0.11      |

### Dimming

Dimming provides even more flexibility and performance. Electronic ballasts accurately reduce light output to match the consumers' needs. Dim lighting to comfortably watch television, host a dinner party or set appropriate light levels for different tasks. Dimming allows greater control, energy savings and exceptional performance.

## Uniframe 5" new construction - dimming

26w Triple tube Gx24q-3 base - only



|                    |                               |
|--------------------|-------------------------------|
| <b>1001FD26MX1</b> | (Advanced Mark10 26W 120v)    |
| <b>1001FD26MX2</b> | (Advanced Mark10 26W 277v)    |
| <b>1001FD26M7U</b> | (Advanced Mark7 26W 120/277v) |
| <b>1001FD26L1</b>  | (Lutron* 26w 120v)            |
| <b>1001FD26L2</b>  | (Lutron* 26w 277v)            |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 5 1/4"                  |
| <b>Width</b>   | 7 3/4"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

| Input power        |             |                |
|--------------------|-------------|----------------|
| Frame-in kit       | Total watts | Amp (120/277V) |
| <b>1001FD26MX1</b> | 31w         | 0.26 (120v)    |
| <b>1001FD26MX2</b> | 31w         | 0.11 (277v)    |
| <b>1001FD26M7U</b> | 31w         | 0.26/0.11      |
| <b>1001FD26L1</b>  | 31w         | 0.26 (120v)    |
| <b>1001FD26L2</b>  | 31w         | 0.12 (277v)    |

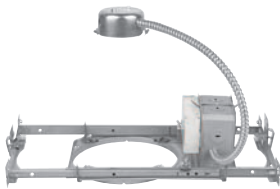
\* Lutron compact SE 5%

# Uniframe CFL housings

3 3/4", 5", 6 3/4" Non-IC frame-in kits



## Uniframe 6 3/4" new construction



|                   |                              |
|-------------------|------------------------------|
| <b>1101F18U</b>   | 18w Triple Tube GX24q-2 Base |
| <b>1101F2642U</b> | 26w Triple Tube GX24q-3 Base |
|                   | 32w Triple Tube GX24q-3 Base |
|                   | 42w Triple Tube GX24q-4 Base |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 6 15/16"                |
| <b>Width</b>   | 7 3/4"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

| Input power       |             |                 |
|-------------------|-------------|-----------------|
| Frame-in kit      | Total watts | Amp (120/277V)  |
| <b>1101F18U</b>   | 20w         | 0.17/0.08       |
| <b>1101F2642U</b> | 29w         | 0.24/0.11 (26w) |
| <b>1101F2642U</b> | 36w         | 0.31/0.13 (32w) |
| <b>1101F2642U</b> | 46w         | 0.38/0.17 (42w) |

### Mounting – grid ceiling

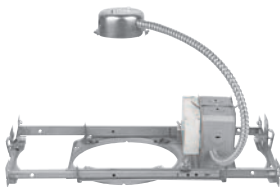
Tool free mounting in grid ceilings. Galvanized Steel interlocking slide bars adjust to 24 1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.

### Mounting – wood joist ceiling

Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized Steel interlocking slide bars adjust from 12 15/16" to 24 1/8" long to accommodate 16" and 24" O.C. joist spacing, with or without strapping.

## Uniframe 6 3/4" new construction - dimming

26w Triple tube Gx24q-3 base - only



|                      |                                  |
|----------------------|----------------------------------|
| <b>1101FD2642MX1</b> | (Advanced Mark10 26-42W 120v)    |
| <b>1101FD2642MX2</b> | (Advanced Mark10 26-42W 277v)    |
| <b>1101FD2642M7U</b> | (Advanced Mark7 26-42w 120/277v) |
| <b>1101FD26L1</b>    | (Lutron* 26w 120v)               |
| <b>1101FD26L2</b>    | (Lutron* 26w 277v)               |
| <b>1101FD32L1</b>    | (Lutron* 32w 120v)               |
| <b>1101FD32L2</b>    | (Lutron* 32w 277v)               |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 6 15/16"                |
| <b>Width</b>   | 7 3/4"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

| Input power        |             |                 |
|--------------------|-------------|-----------------|
| Frame-in kit       | Total watts | Amp (120/277V)  |
| <b>1101FD26MX1</b> | 31w         | 0.26/0.11 (26w) |
| <b>1101FD26MX2</b> | 38w         | 0.32/0.14 (32w) |
| <b>1101FD26M7U</b> | 39w         | 0.41/0.18 (42w) |
| <b>1101FD26L1</b>  | 31w         | 0.26 (26w)      |
| <b>1101FD26L2</b>  | 31w         | 0.12 (26w)      |
| <b>1101FD32L1</b>  | 36w         | 0.31 (32w)      |
| <b>1101FD32L2</b>  | 36w         | 0.13 (32w)      |

\* Lutron compact SE 5%

# Uniframe CFL housings



## 5" & 6 3/4" Emergency frame-in kits

Uniframe emergency lighting provides 60% light output for up to 90 minutes. This allows visibility in areas of egress to allow people to move safely in the event of an emergency.

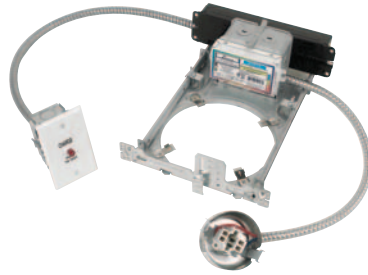
### Mounting – grid ceiling

Tool free mounting in grid ceilings. Galvanized Steel interlocking slide bars adjust to 24 1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.

### Mounting – wood joist ceiling

Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized Steel interlocking slide bars adjust from 12 15/16" to 24 1/8" long to accommodate 16" and 24" O.C. joist spacing, with or without strapping.

## Uniframe 5" & 6 3/4" new construction - emergency



Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

**Universal electronic ballast:** 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0°F.

**Emergency battery:** 90 minute battery backup at 650 lumens, complete with charge indicator light and integrated test switch.

|                   |  |
|-------------------|--|
| <b>1001F18UEM</b> | 18w Triple Tube GX24q-2 Base<br>120v – 0.17amp max<br>277v – 0.08amp max |
| <b>1001F26UEM</b> | 26w Triple Tube GX24q-3 Base<br>120v – 0.24amp max<br>277v – 0.11amp max |

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 5 1/4"                  |
| <b>Width</b>   | 9 5/8"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

|                     |   |
|---------------------|---|
| <b>1101F2642UEM</b> | 26w Quad/Triple Tube<br>G24q-3/GX24q-3<br>Base 120v – 0.33amp max<br>277v – 0.14amp max<br>32w Triple Tube GX24q-3 Base<br>120v – 0.40amp max<br>277v – 0.17amp max<br>42w Triple Tube GX24q-4 Base<br>120v – 0.53amp max<br>277v – 0.23amp max |
|---------------------|---|

|                |                         |
|----------------|-------------------------|
| <b>Cut out</b> | 6 15/16"                |
| <b>Width</b>   | 9 5/8"                  |
| <b>Length</b>  | 12 15/16"               |
| <b>Depth</b>   | See specification sheet |

| Input power       |             |                |
|-------------------|-------------|----------------|
| Frame-in kit      | Total watts | Amp (120/277V) |
| <b>1001F18UEM</b> | 20w         | 0.17/0.08      |
| <b>1001F26UEM</b> | 29w         | 0.29/0.11      |

| Input power         |             |                |
|---------------------|-------------|----------------|
| Frame-in kit        | Total watts | Amp (120/277V) |
| <b>1101F2642UEM</b> | 29w         | 0.24/0.11      |
|                     | 36w         | 0.31/0.13      |
|                     | 46w         | 0.38/0.17      |

### Emergency lumen output

| Uniframe wattage | EM Lamp lumens | EM #      |
|------------------|----------------|-----------|
| 18               | 350            | I-42-EM-J |
| 26               | 425            | I-42-EM-J |
| 32               | 600            | I-42-EM-J |
| 42               | 750            | I-42-EM-J |

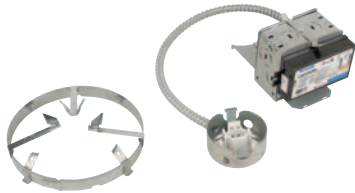
# Uniframe CFL housings

## 5" & 6 3/4" Remodeler frame-in kits

Remodeler Frame-in Kits allow installation of recessed downlights in existing ceilings. Update any existing space within a structure to have energy efficient compact fluorescent lighting.



## Uniframe 5" & 6 3/4" remodeler



Designed for existing ceilings where insulation will not be installed. Frame-in kit accommodates ceilings up to 2" thick.

**Universal electronic ballast:** 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0° F.

**1001FR18U** 18W Triple Tube GX24q-2 Base  
**1001FR26U** 26W Triple Tube GX24q-3 Base

**Cut out** 5 1/2"  
**Width** N/A  
**Length** 11 1/2"  
**Depth** See specification sheet

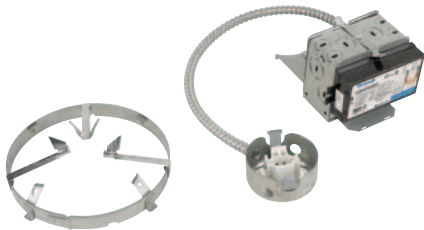
**1101FR18U** 18W Quad/Triple Tube  
 G24q-2/GX24q-2 Base  
**1101FR2642U** 26W Quad/Triple Tube  
 G24q-3/GX24q-3 Base  
 32W Triple Tube GX24q-3 Base  
 42W Triple Tube GX24q-4 Base

**Cut out** 5 1/4"  
**Width** 9 5/8"  
**Length** 12 15/16"  
**Depth** See specification sheet

| Input power<br>Frame-in kit | Total watts | Amp (120/277V) |
|-----------------------------|-------------|----------------|
| <b>1001FR18U</b>            | 20w         | 0.17/0.08      |
| <b>1001FR26U</b>            | 29w         | 0.24/0.11      |

| Input power<br>Frame-in kit | Total watts | Amp (120/277V)  |
|-----------------------------|-------------|-----------------|
| <b>1101FR18U</b>            | 20w         | 0.17/0.08       |
| <b>1101FR2642U</b>          | 29w         | 0.24/0.11 (26W) |
| <b>1101FR2642U</b>          | 36w         | 0.31/0.13 (32W) |
| <b>1101FR2642U</b>          | 46w         | 0.38/0.17 (42W) |

## Uniframe 5" & 6 3/4" remodeler - dimming



Designed for existing ceilings where insulation will not be installed. Frame-in kit accommodates ceilings up to 2" thick.

**Universal electronic ballast:** 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0° F.

**1001FRD26MX1** 26w Triple Tube GX24q-3 Base  
 (Advance Mark10 – 120v)  
**1001FRD26MX2** 26w Triple Tube GX24q-3 Base  
 (Advance Mark10 – 277v)

**Cut out** 5 1/2"  
**Width** 5 1/2"  
**Length** 11 25/32"  
**Depth** See specification sheet

**1101FR2642MX1** 26w Quad Tube – 26-42W Triple  
 (Advance Mark10 – 120v)  
**1101FR2642MX2** 26w Quad Tube – 26-42W Triple  
 (Advance Mark10 – 277v)

**Cut out** 7 1/8"  
**Width** 7 1/8"  
**Length** 13 9/32"  
**Depth** See specification sheet

| Input power<br>Frame-in kit | Total watts | Amp (120/277V) |
|-----------------------------|-------------|----------------|
| <b>1001FRD26MX1</b>         | 31w         | 0.26           |
| <b>1001FRD26MX2</b>         | 31w         | 0.11           |

| Input power<br>Frame-in kit | Total watts | Amp (120/277V) |
|-----------------------------|-------------|----------------|
| <b>1101FR2642MX1</b>        | 31w         | 0.26 (26w)     |
|                             | 38w         | 0.32 (32w)     |
|                             | 49w         | 0.41 (42w)     |
| <b>1101FR2642MX2</b>        | 31w         | 0.11 (26w)     |
|                             | 38w         | 0.14 (32w)     |
|                             | 49w         | 0.18 (42w)     |

## Mounting – remodeler

Accommodates existing ceilings up to 2" thick. Attaches securely to any type of ceiling material without tools using (3) mounting straps provided. Push-in/twist-out clips hold reflector flush to ceiling. Includes adhesive backed aperture template.



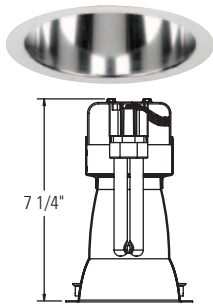
# Uniframe CFL vertical trims

## 3 3/4" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

- Performance optics provide excellent cut-off while maximizing efficiencies
- Only 3.5" ID for CFL aperture
- Superior performance and styling

### Uniframe open downlight



**Reference data**

|                   |               |
|-------------------|---------------|
| Reflector         | <b>2001CL</b> |
| Lamp              | 18W Triple    |
| Lamp lumens       | 1200          |
| Efficiency        | 47.6%         |
| Spacing criterion | 1.4           |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

**Reflector**

|               |                |
|---------------|----------------|
| <b>2001CL</b> | Specular clear |
| <b>2001CD</b> | Clear diffuse  |
| <b>2001WH</b> | Matte white    |

**Application data** Single unit data 18W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 4'                      | 15                               | 6'            |
| 5'                      | 10                               | 7'            |
| 6'                      | 7                                | 8'            |

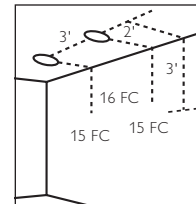
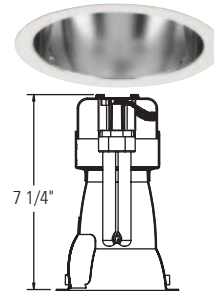
Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (18W)**

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 60                           | 2.06          |
| 5'                | 41                           | 1.43          |
| 6'                | 27                           | 0.92          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

### Uniframe single wall wash



**Reference data**

|             |                 |
|-------------|-----------------|
| Reflector   | <b>2001CLSW</b> |
| Lamp        | 18W Triple      |
| Lamp lumens | 1200            |
| Efficiency  | 46.9%           |

**Reflector**

|                 |                |
|-----------------|----------------|
| <b>2001CLSW</b> | Specular clear |
| <b>2001CDSW</b> | Clear diffuse  |
| <b>2001WHSW</b> | Matte white    |

**Multiple units (18W)** Footcandles on wall

2' from wall-2' on center

| Distance From Ceiling in Feet | 1' | 2' | 3' |
|-------------------------------|----|----|----|
| 1'                            | 21 | 18 | 21 |
| 2'                            | 29 | 29 | 29 |
| 3'                            | 23 | 23 | 23 |
| 4'                            | 16 | 16 | 16 |
| 5'                            | 11 | 11 | 11 |
| 6'                            | 8  | 8  | 8  |
| 7'                            | 5  | 5  | 5  |
| 8'                            | 4  | 4  | 4  |
| 9'                            | 3  | 3  | 3  |

**Multiple units (18W)** Footcandles on wall

2' from wall-3' on center

| Distance From Ceiling in Feet | 1'        | 2'        | 3'        |
|-------------------------------|-----------|-----------|-----------|
| 1'                            | 16        | 12        | 16        |
| 2'                            | 20        | 19        | 20        |
| 3'                            | <b>15</b> | <b>16</b> | <b>15</b> |
| 4'                            | 11        | 11        | 11        |
| 5'                            | 8         | 8         | 8         |
| 6'                            | 6         | 6         | 6         |
| 7'                            | 4         | 4         | 4         |
| 8'                            | 3         | 3         | 3         |
| 9'                            | 2         | 2         | 2         |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

# Uniframe CFL vertical trims

## 3 3/4" Lensed vertical trims

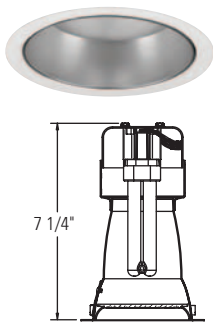
Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

- Performance optics provide excellent cut-off while maximizing efficiencies
- Only 3.5" ID for CFL aperture
- Superior performance and styling

Compatible frame in kits

| Frame-in kit           | Wattage | Lamping            |
|------------------------|---------|--------------------|
| <b>2001F13 Series</b>  | 13W     | (1) Triple or quad |
| <b>2001F18 Series</b>  | 18W     | (1) Triple or quad |
| <b>2001F13C Series</b> | 13W     | (1) Triple or quad |
| <b>2001F18C Series</b> | 18W     | (1) Triple or quad |

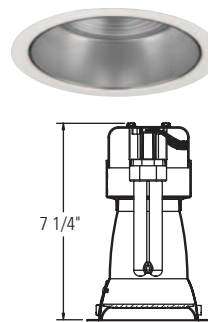
### Uniframe opal lensed downlight



#### Reflector

- 2001CLO** Specular clear
- 2001CDO** Clear diffuse
- 2001WHO** Matte white

### Uniframe fresnel lensed downlight



#### Reference data

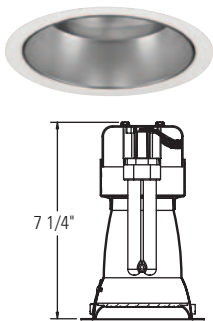
|             |                |
|-------------|----------------|
| Reflector   | <b>2001CLF</b> |
| Lamp        | 18W Triple     |
| Lamp lumens | 1200           |
| Efficiency  | 29.8%          |
| Spacing     | 1.4            |
| Criterion   |                |

Conversion factor for finishes:  
 CD = footcandle x 1.03  
 WH = footcandle x .88

#### Reflector

- 2001CLF** Specular clear
- 2001CDF** Clear diffuse
- 2001WHF** Matte white

### Uniframe clear lensed downlight



#### Reflector

- 2001CLC** Specular clear
- 2001CDC** Clear diffuse
- 2001WHC** Matte white

#### Application data Single unit data 18W

| Height to lighted plane | Initial center beam | Beam diameter |
|-------------------------|---------------------|---------------|
|                         | foot-candles        |               |
| 4'                      | 10                  | 6'            |
| 5'                      | 6                   | 7'            |
| 6'                      | 4                   | 8'            |

Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (18W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 20                           | 1.38          |
| 5'                | 14                           | 0.96          |
| 6'                | 9                            | 0.61          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

# Uniframe CFL vertical trims

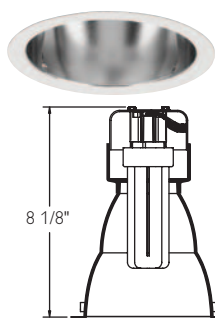
## 5" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

Uniframe 5" is the ideal choice for energy efficient residential and light commercial applications. Its small size offers excellent optic performance in ceilings up to 9 1/2 ft while maintaining style. Also available with dimming and emergency ballasts.



### Uniframe open downlight



| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |

#### Application data

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 14                               | 8'            |
| 7'                      | 10                               | 9'            |
| 8'                      | 8                                | 10'           |

#### Reflector

|               |                |
|---------------|----------------|
| <b>1001CL</b> | Specular clear |
| <b>1001CD</b> | Clear diffuse  |
| <b>1001WH</b> | Matte white    |

#### Reference data

|                   |               |
|-------------------|---------------|
| Reflector         | <b>1001CL</b> |
| Lamp              | 26W Triple    |
| Lamp lumens       | 1710          |
| Efficiency        | 54.1%         |
| Spacing criterion | 1.3           |

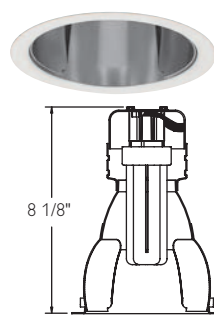
Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

#### Multiple units (26W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 54                           | 1.69          |
| 5'                | 38                           | 1.17          |
| 6'                | 24                           | 0.75          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

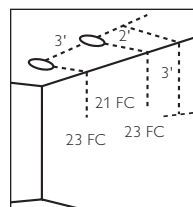
### Uniframe double wall wash



| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |

#### Reflector

|                 |                |
|-----------------|----------------|
| <b>1001CLDW</b> | Specular clear |
| <b>1001CDDW</b> | Clear diffuse  |
| <b>1001WHDW</b> | Matte white    |



#### Reference data

|             |                 |
|-------------|-----------------|
| Reflector   | <b>1001CLSW</b> |
| Lamp        | 26W Triple      |
| Lamp lumens | 1710            |
| Efficiency  | 54.2%           |

#### Multiple units (26W) Footcandles on wall

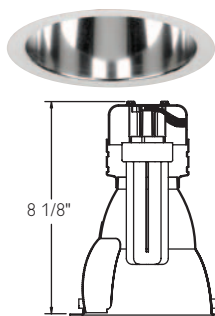
| Distance From Ceiling in Feet | 2' from wall-2' on center |                |    |
|-------------------------------|---------------------------|----------------|----|
|                               | ■                         | ----- 2' ----- | ■  |
| 1'                            | 24                        | 23             | 24 |
| 2'                            | 35                        | 34             | 35 |
| 3'                            | 32                        | 33             | 32 |
| 4'                            | 25                        | 25             | 25 |
| 5'                            | 18                        | 19             | 18 |
| 6'                            | 13                        | 13             | 13 |
| 7'                            | 10                        | 10             | 10 |
| 8'                            | 7                         | 7              | 7  |
| 9'                            | 6                         | 6              | 6  |

#### Multiple units (26W) Footcandles on wall

| Distance From Ceiling in Feet | 2' from wall-3' on center |                |           |
|-------------------------------|---------------------------|----------------|-----------|
|                               | ■                         | ----- 3' ----- | ■         |
| 1'                            | 19                        | 13             | 19        |
| 2'                            | 26                        | 23             | 26        |
| 3'                            | <b>23</b>                 | <b>21</b>      | <b>23</b> |
| 4'                            | 17                        | 17             | 17        |
| 5'                            | 13                        | 13             | 13        |
| 6'                            | 9                         | 10             | 9         |
| 7'                            | 7                         | 7              | 7         |
| 8'                            | 6                         | 6              | 6         |
| 9'                            | 4                         | 4              | 4         |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

### Uniframe single wall wash



| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |

#### Reflector

|                 |                |
|-----------------|----------------|
| <b>1001CLSW</b> | Specular clear |
| <b>1001CDSW</b> | Clear diffuse  |
| <b>1001WHSW</b> | Matte white    |

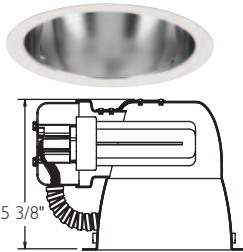
# Uniframe CFL horizontal trims

## 5" Horizontal trims

Uniframe puts a unique spin on a classic look with our new floating cross blade design. With rounded edges that float off of the cone, this new design gives the standard crossblade a softer look while effectively shielding the lamp source.



### Uniframe open downlight



| Frame-in kit             | Wattage Lamping |                    |
|--------------------------|-----------------|--------------------|
| <b>1001F13 Series</b>    | 13W             | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W             | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W             | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W             | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W             | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W             | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W             | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W             | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W             | (1) Triple         |

#### Application data Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 16                               | 7'            |
| 7'                      | 12                               | 8'            |
| 8'                      | 9                                | 9'            |

Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (26W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 58                           | 1.63          |
| 5'                | 40                           | 1.13          |
| 6'                | 26                           | 0.72          |

24' x 24' x 8.5' room; Workplane 2.5' above floor  
80% / 50% / 20% reflectances

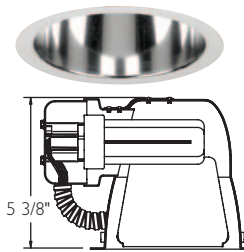
#### Reflector

- 1001HCL** Specular clear
- 1001HCD** Clear diffuse
- 1001HWH** Matte white

#### Reference data

|                                 |                |
|---------------------------------|----------------|
| Reflector                       | <b>1001HCL</b> |
| Lamp                            | 26W Triple     |
| Lamp lumens                     | 1710           |
| Efficiency                      | 58.6%          |
| Spacing criterion               | 1.2            |
| Conversion factor for finishes: |                |
| CD = footcandle x .90           |                |
| WH = footcandle x .70           |                |

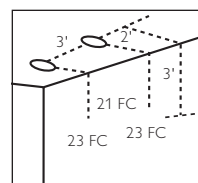
### Uniframe single wall wash



| Frame-in kit             | Wattage Lamping |                    |
|--------------------------|-----------------|--------------------|
| <b>1001F13 Series</b>    | 13W             | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W             | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W             | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W             | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W             | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W             | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W             | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W             | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W             | (1) Triple         |

#### Reflector

- 1001HCLSW** Specular clear
- 1001HCDSW** Clear diffuse
- 1001HWHSW** Matte white



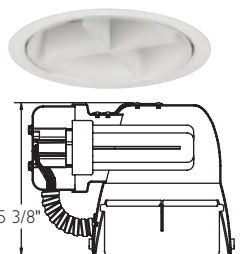
#### Reference data

|                                 |                  |
|---------------------------------|------------------|
| Reflector                       | <b>1001HCLSW</b> |
| Lamp                            | 26W Triple       |
| Lamp lumens                     | 1710             |
| Efficiency                      | 53.4%            |
| Conversion factor for finishes: |                  |
| CD = footcandle x .90           |                  |
| WH = footcandle x .70           |                  |

#### Multiple units (26W) Footcandles on wall

| Distance From Ceiling in Feet | 2' from wall-2' on center |    |
|-------------------------------|---------------------------|----|
|                               | 2'                        | 3' |
| 1'                            | 29                        | 27 |
| 2'                            | 43                        | 43 |
| 3'                            | 33                        | 33 |
| 4'                            | 24                        | 25 |
| 5'                            | 17                        | 18 |
| 6'                            | 12                        | 13 |
| 7'                            | 9                         | 9  |
| 8'                            | 7                         | 7  |
| 9'                            | 5                         | 5  |

### Uniframe cross blade



| Frame-in kit             | Wattage Lamping |                    |
|--------------------------|-----------------|--------------------|
| <b>1001F13 Series</b>    | 13W             | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W             | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W             | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W             | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W             | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W             | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W             | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W             | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W             | (1) Triple         |

#### Application data Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 11                               | 5'            |
| 7'                      | 8                                | 6'            |
| 8'                      | 6                                | 7'            |

Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (26W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 30                           | 1.88          |
| 5'                | 21                           | 1.30          |
| 6'                | 14                           | 0.83          |

24' x 24' x 8.5' room; Workplane 2.5' above floor  
80% / 50% / 20% reflectances

#### Reflector

- 1001HACB** Aluminum
- 1001HWHCB** Matte white

#### Reference data

|                                 |                  |
|---------------------------------|------------------|
| Reflector                       | <b>1001HWHCB</b> |
| Lamp                            | 26W Triple       |
| Lamp lumens                     | 1710             |
| Efficiency                      | 31.3%            |
| Spacing criterion               | 0.9 x 1.0        |
| Conversion factor for finishes: |                  |
| CD = footcandle x .90           |                  |
| WH = footcandle x .70           |                  |

#### Multiple units (26W) Footcandles on wall

| Distance From Ceiling in Feet | 2' from wall-3' on center |           |
|-------------------------------|---------------------------|-----------|
|                               | 2'                        | 3'        |
| 1'                            | 23                        | 16        |
| 2'                            | 27                        | 29        |
| 3'                            | <b>23</b>                 | <b>21</b> |
| 4'                            | 17                        | 17        |
| 5'                            | 12                        | 12        |
| 6'                            | 9                         | 9         |
| 7'                            | 7                         | 7         |
| 8'                            | 5                         | 5         |
| 9'                            | 4                         | 4         |



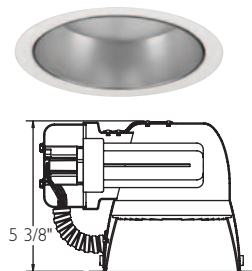


# Uniframe CFL horizontal trims

## 5" Horizontal lensed trims

Uniframe's three lensed products have a variety of lens styles. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

### Uniframe opal lensed downlight



**Reflector**

- 1001HCLO** Specular clear
- 1001HCDO** Clear diffuse
- 1001HWHO** Matte white

**Reference data**

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1001HCLO</b> |
| Lamp              | 26W Triple      |
| Lamp lumens       | 1710            |
| Efficiency        | 36.6%           |
| Spacing criterion | 1.2             |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W     | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W     | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W     | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W     | (1) Triple         |

**Application data** Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 10                               | 7'            |
| 7'                      | 8                                | 8'            |
| 8'                      | 6                                | 9'            |

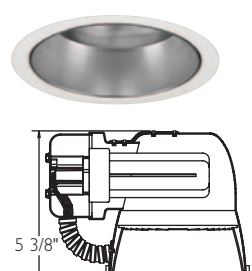
Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (26W)**

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 36                           | 1.88          |
| 5'                | 25                           | 1.30          |
| 6'                | 16                           | 0.83          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

### Uniframe clear lensed downlight



**Reflector**

- 1001HCLC** Specular clear
- 1001HCDC** Clear diffuse
- 1001HWHC** Matte white

**Reference data**

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1001HCLC</b> |
| Lamp              | 26W Triple      |
| Lamp lumens       | 1710            |
| Efficiency        | 42.8%           |
| Spacing criterion | 1.1             |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W     | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W     | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W     | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W     | (1) Triple         |

**Application data** Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 14                               | 6'            |
| 7'                      | 10                               | 7'            |
| 8'                      | 0                                | 8'            |

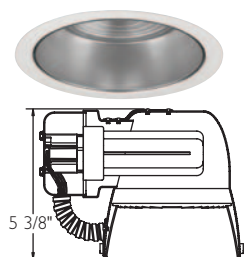
Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (26W)**

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 42                           | 1.88          |
| 5'                | 29                           | 1.30          |
| 6'                | 19                           | 0.83          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

### Uniframe fresnel lensed downlight



| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1001F13 Series</b>    | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>    | 18W     | (1) Triple or quad |
| <b>1001F26 Series</b>    | 26W     | (1) Triple         |
| <b>1001FD26MX Series</b> | 26W     | (1) Triple         |
| <b>1001FD26L Series</b>  | 26W     | (1) Triple         |
| <b>1001F13IC Series</b>  | 13W     | (1) Triple or quad |
| <b>1001F18IC Series</b>  | 18W     | (1) Triple or quad |
| <b>1001F26IC Series</b>  | 26W     | (1) Triple         |
| <b>1001FDIC Series</b>   | 26W     | (1) Triple         |

**Reflector**

- 1001HCLF** Specular clear
- 1001HCDF** Clear diffuse
- 1001HWHF** Matte white

**Reference data**

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1001HCLF</b> |
| Lamp              | 26W Triple      |
| Lamp lumens       | 1710            |
| Efficiency        | 40.8%           |
| Spacing criterion | 0.9             |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

**Application data** Single unit data 26W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 16                               | 5'            |
| 7'                      | 12                               | 6'            |
| 8'                      | 9                                | 7'            |

Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (26W)**

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 41                           | 1.88          |
| 5'                | 28                           | 1.30          |
| 6'                | 18                           | 0.83          |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

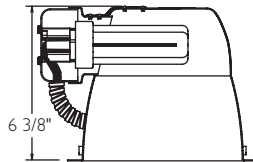
# Uniframe CFL horizontal trims

## 6 3/8" Horizontal trims

With the introduction of Uniframe, Lytecaster now offers both single and double wall washers for demanding commercial applications. Single and double wall washers are designed to provide a uniform distribution of light along the vertical surface while providing room side downlighting to provide continuity throughout the space.



### Uniframe open downlight



**Reflector**

- 1101HCL** Specular clear
- 1101HCD** Clear diffuse
- 1101HWH** Matte white

**Reference data**

|                   |                |
|-------------------|----------------|
| Reflector         | <b>1101HCL</b> |
| Lamp              | 32W Triple     |
| Lamp lumens       | 2200           |
| Efficiency        | 62.0%          |
| Spacing criterion | 1.2            |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

**Application data** Single unit data 32W

| Height to lighted plane | Initial beam diameter |          |
|-------------------------|-----------------------|----------|
|                         | center foot-candles   | diameter |
| 6'                      | 20                    | 8'       |
| 8'                      | 11                    | 10'      |
| 10'                     | 7                     | 12       |

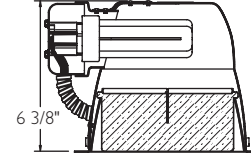
Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (26W)**

| Spacing on center | Average initial Watts |         |
|-------------------|-----------------------|---------|
|                   | foot-candles          | sq. Ft. |
| 4'                | 78                    | 1.94    |
| 5'                | 54                    | 1.35    |
| 6'                | 35                    | 0.86    |

24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

### Uniframe shielded downlight



**Reflector**

- 1101HACB** Aluminum
- 1101HWHCB** Matte white

**Reference data**

|                   |                  |
|-------------------|------------------|
| Reflector         | <b>1101HWHCB</b> |
| Lamp              | 32W Triple       |
| Lamp lumens       | 2200             |
| Efficiency        | 37.5%            |
| Spacing criterion | 0.8 x 1.0        |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

**Application data** Single unit data 32W

| Height to lighted plane | Initial beam diameter |          |
|-------------------------|-----------------------|----------|
|                         | center foot-candles   | diameter |
| 6'                      | 18                    | 6'       |
| 7'                      | 14                    | 7'       |
| 8'                      | 10                    | 8'       |

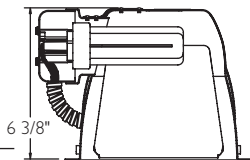
Beam diameter is where foot-candles drop to 50% of maximum.

**Multiple units (32W)**

| Spacing on center | Average initial Watts |         |
|-------------------|-----------------------|---------|
|                   | foot-candles          | sq. Ft. |
| 4'                | 47                    | 2.19    |
| 5'                | 32                    | 1.52    |
| 6'                | 21                    | 0.97    |

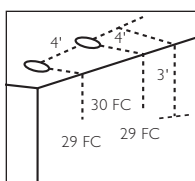
24' x 24' x 8.5' room  
 Workplane 2.5' above floor  
 80% / 50% / 20% reflectances

### Uniframe single wall wash



**Reflector**

- 1101HCLSW** Specular clear
- 1101HCDSW** Clear diffuse
- 1101HWHSW** Matte white



| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

**Reference data**

|             |                  |
|-------------|------------------|
| Reflector   | <b>1101HCLSW</b> |
| Lamp        | 42W Triple       |
| Lamp lumens | 3200             |
| Efficiency  | 61.4%            |

Conversion factor for finishes:  
 CD = footcandle x .90  
 WH = footcandle x .70

**Multiple units (42W)** Footcandles on wall

| Distance From Ceiling in Feet | 3' from Wall-3' on Center |    |    |    |
|-------------------------------|---------------------------|----|----|----|
|                               | 1'                        | 2' | 3' | 4' |
| 1'                            | 22                        | 20 | 22 |    |
| 2'                            | 47                        | 48 | 47 |    |
| 3'                            | 47                        | 47 | 47 |    |
| 4'                            | 35                        | 34 | 35 |    |
| 5'                            | 28                        | 28 | 28 |    |
| 6'                            | 22                        | 22 | 22 |    |
| 7'                            | 17                        | 17 | 17 |    |
| 8'                            | 14                        | 14 | 14 |    |
| 9'                            | 11                        | 11 | 11 |    |

**Multiple units (42W)** Footcandles on wall

| Distance From Ceiling in Feet | 4' from Wall-4' on Center |           |           |    |
|-------------------------------|---------------------------|-----------|-----------|----|
|                               | 1'                        | 2'        | 3'        | 4' |
| 1'                            | 7                         | 6         | 7         |    |
| 2'                            | 21                        | 20        | 21        |    |
| 3'                            | <b>29</b>                 | <b>30</b> | <b>29</b> |    |
| 4'                            | 26                        | 26        | 26        |    |
| 5'                            | 21                        | 20        | 21        |    |
| 6'                            | 18                        | 17        | 18        |    |
| 7'                            | 15                        | 15        | 15        |    |
| 8'                            | 14                        | 14        | 14        |    |
| 9'                            | 10                        | 10        | 10        |    |

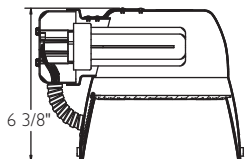
# Uniframe CFL horizontal trims



## 6 3/8" Horizontal lensed trims

Uniframe's three lensed products have a variety of lens styles and offer up to a 42 watt compact fluorescent lamp. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

### Uniframe opal lensed downlight



#### Reflector

|                 |                |
|-----------------|----------------|
| <b>1101HCLO</b> | Specular clear |
| <b>1101HCDO</b> | Clear diffuse  |
| <b>1101HWHO</b> | Matte white    |

#### Reference data

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1101HCLO</b> |
| Lamp              | 32W Triple      |
| Lamp lumens       | 2200            |
| Efficiency        | 46.3%           |
| Spacing criterion | 1.2             |

Conversion factor for finishes:  
CD = footcandle x .90  
WH = footcandle x .70

| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

#### Application data Single unit data 32W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 16                               | 7"            |
| 7'                      | 12                               | 8"            |
| 8'                      | 9                                | 9"            |

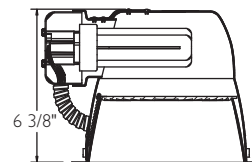
Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (32W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 59                           | 2.19          |
| 5'                | 41                           | 1.52          |
| 6'                | 26                           | 0.97          |

24' x 24' x 8.5' room  
Workplane 2.5' above floor  
80% / 50% / 20% reflectances

### Uniframe fresnel lensed downlight



#### Reflector

|                 |                |
|-----------------|----------------|
| <b>1101HCLF</b> | Specular clear |
| <b>1101HCDF</b> | Clear diffuse  |
| <b>1101HWHF</b> | Matte white    |

#### Reference data

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1101HCLF</b> |
| Lamp              | 32W Triple      |
| Lamp lumens       | 2200            |
| Efficiency        | 46.2%           |
| Spacing criterion | 1.0             |

Conversion factor for finishes:  
CD = footcandle x .90  
WH = footcandle x .70

| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

#### Application data Single unit data 32W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 20                               | 6"            |
| 7'                      | 15                               | 7"            |
| 8'                      | 11                               | 8"            |

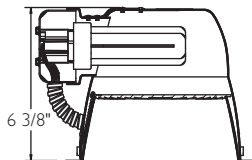
Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (32W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 60                           | 2.06          |
| 5'                | 41                           | 1.43          |
| 6'                | 27                           | 0.92          |

24' x 24' x 8.5' room  
Workplane 2.5' above floor  
80% / 50% / 20% reflectances

### Uniframe clear lensed downlight



#### Reflector

|                 |                |
|-----------------|----------------|
| <b>1101HCLC</b> | Specular clear |
| <b>1101HCDC</b> | Clear diffuse  |
| <b>1101HWHC</b> | Matte white    |

| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b>  | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple or quad |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FDIC Series</b>    | 26/32W    | (1) Triple or quad |

#### Application data Single unit data 32W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 22                               | 6"            |
| 7'                      | 16                               | 7"            |
| 8'                      | 12                               | 8"            |

Beam diameter is where foot-candles drop to 50% of maximum.

#### Reference data

|                   |                 |
|-------------------|-----------------|
| Reflector         | <b>1101HCLC</b> |
| Lamp              | 32W Triple      |
| Lamp lumens       | 2200            |
| Efficiency        | 52.8%           |
| Spacing criterion | 1.0             |

Conversion factor for finishes:  
CD = footcandle x .90  
WH = footcandle x .70

#### Multiple units (32W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 4'                | 68                           | 2.19          |
| 5'                | 48                           | 1.52          |
| 6'                | 31                           | 0.97          |

24' x 24' x 8.5' room  
Workplane 2.5' above floor  
80% / 50% / 20% reflectances

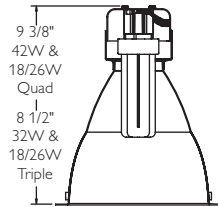
# Uniframe CFL vertical trims

## 6 3/4" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.



### Uniframe open downlight



#### Reflector

- 1101CL** Specular clear
- 1101CD** Clear diffuse
- 1101WH** Matte white

| Reference data  | Frame-in kit             | Wattage   | Lamping            |
|---|--------------------------|-----------|--------------------|
| Reflector <b>1101CL</b>   | <b>1101F18 Series</b>    | 18W       | (1) Triple or quad |
| Lamp 42W Triple   | <b>1101FR18 Series</b>   | 18W       | (1) Triple or quad |
| Lamp lumens 3200  | <b>1101F2642U Series</b> | 26/32/42W | (1) Triple or quad |
| Efficiency 67.0%  | <b>1101FD2642 Series</b> | 26/32/42W | (1) Triple or quad |
| Spacing criterion 1.1   | <b>1101FD26L Series</b>  | 26W       | (1) Triple or quad |
| Conversion factor for finishes:<br>CD = footcandle x .90<br>WH = footcandle x .70 | <b>1101FD32L Series</b>  | 32W       | (1) Triple or quad |

#### Application data Single unit data 42W

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 40                               | 6'            |
| 8'                      | 24                               | 8'            |
| 10'                     | 15                               | 10'           |

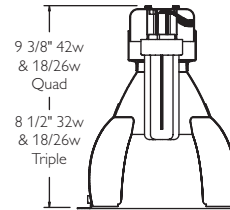
Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units (42W)

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 5'                | 88                           | 1.91          |
| 6'                | 56                           | 1.22          |
| 7'                | 32                           | 0.69          |

24' x 24' x 8.5' room  
Workplane 2.5' above floor  
80% / 50% / 20% reflectances

### Uniframe double wall wash

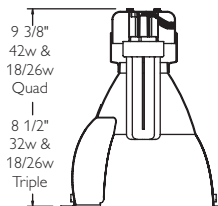


#### Reflector

- 1101CLDW** Specular clear
- 1101CDDW** Clear diffuse
- 1101WHDW** Matte white

| Frame-in kit             | Wattage   | Lamping            |
|--------------------------|-----------|--------------------|
| <b>1101F18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642U Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>  | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>  | 32W       | (1) Triple or quad |

### Uniframe single wall wash



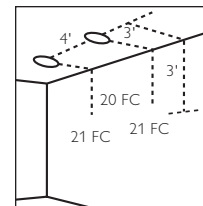
#### Reflector

- 1101CLSW** Specular clear
- 1101CDSW** Clear diffuse
- 1101WHSW** Matte white

| Frame-in kit             | Wattage   | Lamping            |
|--------------------------|-----------|--------------------|
| <b>1101F18 Series</b>    | 18W       | (1) Triple or quad |
| <b>1101FR18 Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642U Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FD2642 Series</b> | 26/32/42W | (1) Triple or quad |
| <b>1101FD26L Series</b>  | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>  | 32W       | (1) Triple or quad |

#### Reference data

- Reflector **1101CLSW**
- Lamp 42W Triple
- Lamp lumens 3200
- Efficiency 64.0%



#### Multiple units (42W) Footcandles on wall

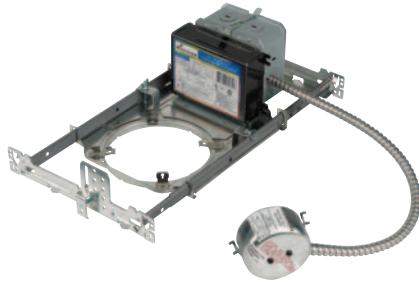
| Distance From Ceiling in Feet | 3' from Wall-3' on Center |    |    |
|-------------------------------|---------------------------|----|----|
|                               | 1'                        | 2' | 3' |
| 1'                            | 12                        | 11 | 12 |
| 2'                            | 22                        | 21 | 22 |
| 3'                            | 27                        | 27 | 28 |
| 4'                            | 29                        | 29 | 29 |
| 5'                            | 27                        | 27 | 27 |
| 6'                            | 23                        | 23 | 23 |
| 7'                            | 19                        | 19 | 19 |
| 8'                            | 16                        | 16 | 16 |
| 9'                            | 13                        | 14 | 13 |

#### Multiple units (42W) Footcandles on wall

| Distance From Ceiling in Feet | 3' from Wall-4' on Center |           |           |
|-------------------------------|---------------------------|-----------|-----------|
|                               | 1'                        | 2'        | 3'        |
| 1'                            | 10                        | 7         | 10        |
| 2'                            | 18                        | 14        | 18        |
| 3'                            | <b>21</b>                 | <b>20</b> | <b>21</b> |
| 4'                            | 23                        | 21        | 23        |
| 5'                            | 21                        | 20        | 21        |
| 6'                            | 18                        | 17        | 18        |
| 7'                            | 15                        | 15        | 15        |
| 8'                            | 13                        | 13        | 13        |
| 9'                            | 11                        | 11        | 11        |

Conversion factor for finishes:  
CD = footcandle x .90  
WH = footcandle x .70

# Uniframe HID housings



## 5" Frame-in kits

High Intensity Discharge (HID) light sources provide high output, long life, high energy efficiency. These characteristics make them a prime consideration for many commercial applications. HID downlights should be used in ceilings over twelve feet where a strong punch of light is required. For ceilings over 20 feet, consider metal halide PAR lamps, which provide an even stronger throw of light.

### 5" Uniframe non-IC ED17 metal halide new construction



Cut out 5 1/4"  
 Width 7 3/4"  
 Length 12 15/16"  
 Depth See specification sheet

| Frame-in kit          |                                | Wattage |     |
|-----------------------|--------------------------------|---------|-----|
| <b>1001HIDED50U</b>   | 120/277v                       | ED17    | 50w |
| <b>1001HIDED70U</b>   | 120/277v                       | ED17    | 70w |
| <b>1001HIDED50ULC</b> | 120/277v -Chicago Plenum rated | ED17    | 50w |
| <b>1001HIDED70ULC</b> | 120/277v -Chicago Plenum rated | ED17    | 70w |

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 5" design is ideal for lower ceilings where frequent maintenance is difficult or not cost effective

ED17 lamps are ideal for general lighting and lower ceilings as it provides a wider and more even illumination across the space.

### 5" Uniframe non-IC PAR metal halide new construction



Cut out 5 1/4"  
 Width 7 3/4"  
 Length 12 15/16"  
 Depth See specification sheet

| Frame-in kit         |                          | Wattage |                   |
|----------------------|--------------------------|---------|-------------------|
| <b>1001HIDP20U</b>   | 120/277v                 | 20w     | PAR 20/PAR30 long |
|                      |                          | 22w     | PAR 20/PAR30 long |
| <b>1001HIDP39U</b>   | 120/277v                 | 39w     | PAR 20/PAR30 long |
| <b>1001HIDP70U</b>   | 120/277v                 | 70w     | PAR30 long        |
| <b>1001HIDP20ULC</b> | 120/277v -Chicago Plenum | 20w     | PAR 20/PAR30 long |
|                      |                          | 22w     | PAR 20/PAR30 long |
| <b>1001HIDP39ULC</b> | 120/277v -Chicago Plenum | 39w     | PAR 20/PAR30 long |
| <b>1001HIDP70ULC</b> | 120/277v -Chicago Plenum | 70w     | PAR30 long        |

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 5" design is ideal for lower ceilings where frequent maintenance is difficult or not cost effective

Ceramic metal halide PAR lamps are excellent for high ceilings where an extra punch of light is needed.

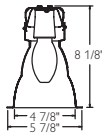
# Uniframe HID trims

## 5" Vertical trims

Uniframe HID is all about performance and value. Designed around energy efficient HID lamps, Uniframe HID utilizes existing Uniframe performance optics as well as a host of affordable Lytecaster trims designed for this product line. Over 40 different trim styles provide several downlighting options in vertical and horizontal lamping, recessed adjustable designs, slope ceilings and several wet location products for effective lighting of commercial applications.



### 5" Uniframe HID open downlight – ED17



| Frame-in kit          | Wattage | Lamping   |
|-----------------------|---------|-----------|
| <b>1001HIDED50U</b>   | 50w     | ED17 Open |
| <b>1001HIDED70U</b>   | 70w     | ED17 Open |
| <b>1001HIDED50ULC</b> | 50w     | ED17 Open |
| <b>1001HIDED70ULC</b> | 70w     | ED17 Open |

| Catalog no.   | Description    |
|---------------|----------------|
| <b>1001CL</b> | Specular clear |
| <b>1001CD</b> | Clear diffuse  |

| Single unit data        |                                  |               |
|-------------------------|----------------------------------|---------------|
| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
| 6'                      | 42                               | 6'            |
| 8'                      | 24                               | 8'            |
| 10'                     | 15                               | 11'           |
| 12'                     | 11                               | 13'           |

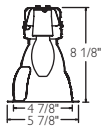
| Multiple units – RCR 2 |                              |               |
|------------------------|------------------------------|---------------|
| Spacing on center      | Average initial foot-candles | Watts sq. Ft. |
| 6'                     | 55                           | 2.07          |
| 8'                     | 38                           | 1.44          |
| 10'                    | 24                           | 0.92          |

| Reference data          |          |
|-------------------------|----------|
| <b>Reflector</b>        | 1001CL   |
| <b>Lamp</b>             | 70w ED17 |
| <b>Lamp lumens</b>      | 4700     |
| <b>Efficiency</b>       | 47.0%    |
| <b>Spacing criteria</b> | 1.06     |

Beam diameter is where foot-candles drop to 50% of maximum.

38' x 38' x 10' room  
Workplane 2 1/2' above floor  
80/50/20% reflectances

### 5" Uniframe HID open wall wash – ED17

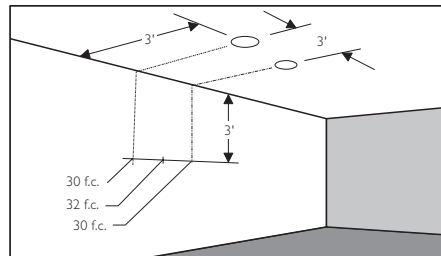


| Frame-in kit          | Wattage | Lamping   |
|-----------------------|---------|-----------|
| <b>1001HIDED50U</b>   | 50w     | ED17 Open |
| <b>1001HIDED70U</b>   | 70w     | ED17 Open |
| <b>1001HIDED50ULC</b> | 50w     | ED17 Open |
| <b>1001HIDED70ULC</b> | 70w     | ED17 Open |

| Catalog no.     | Description    |
|-----------------|----------------|
| <b>1001CLSW</b> | Specular clear |
| <b>1001CDSW</b> | Clear diffuse  |

#### 3' from wall

| Distance from ceiling in Feet | 1' | 10' | 10' | 10' |
|-------------------------------|----|-----|-----|-----|
| 1'                            | 10 | 10  | 10  | 10  |
| 2'                            | 21 | 21  | 21  | 21  |
| 3'                            | 30 | 32  | 30  | 30  |
| 4'                            | 36 | 36  | 36  | 36  |
| 5'                            | 33 | 33  | 33  | 33  |
| 6'                            | 27 | 27  | 27  | 27  |
| 7'                            | 21 | 22  | 21  | 21  |
| 8'                            | 17 | 17  | 17  | 17  |
| 9'                            | 13 | 14  | 13  | 13  |



Example: With multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 30 f.c. beneath units and 32 f.c. between units.

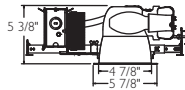
# Uniframe HID trims



## 5" Horizontal trims

Uniframe HID 5" trims provide additional design flexibility. Designed around lower lamp wattages, they are an ideal solution in applications with lower ceilings where energy efficiency is still desired. All open trims utilize an affordable ED17 lamp in vertical and horizontal lamping.

### 5" Uniframe HID horizontal open downlight – ED17



| Catalog no.    | Description    |
|----------------|----------------|
| <b>1001HCL</b> | Specular clear |
| <b>1001HCD</b> | Clear diffuse  |

| Reference data          |          |
|-------------------------|----------|
| <b>Reflector</b>        | 1001CL   |
| <b>Lamp</b>             | 70W ED17 |
| <b>Lamp lumens</b>      | 4700     |
| <b>Efficiency</b>       | 47.0%    |
| <b>Spacing criteria</b> | 1.06     |

| Frame-in kit         | Wattage | Lamping   |
|----------------------|---------|-----------|
| <b>1001HIDE50U</b>   | 50w     | ED17 Open |
| <b>1001HIDE70U</b>   | 70w     | ED17 Open |
| <b>1001HIDE50ULC</b> | 50w     | ED17 Open |
| <b>1001HIDE70ULC</b> | 70w     | ED17 Open |

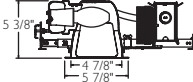
| Single unit data        |                             |               |
|-------------------------|-----------------------------|---------------|
| Height to lighted plane | Initial center foot-candles | Beam diameter |
| 6'                      | 42                          | 6'            |
| 8'                      | 24                          | 8'            |
| 10'                     | 15                          | 11'           |
| 12'                     | 11                          | 13'           |

Beam diameter is where foot-candles drop to 50% of maximum.

| Multiple units – RCR 2 |                              |               |
|------------------------|------------------------------|---------------|
| Spacing on center      | Average initial foot-candles | Watts sq. Ft. |
| 6'                     | 55                           | 2.07          |
| 8'                     | 38                           | 1.44          |
| 10'                    | 24                           | 0.92          |

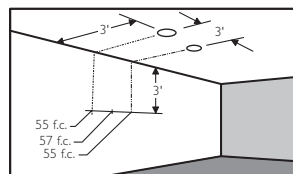
38' x 38' x 10' room  
Workplane 2 1/2' above floor  
80/50/20% reflectances

### 5" Uniframe HID horizontal open wall wash – ED17



| Catalog no.      | Description    |
|------------------|----------------|
| <b>1001HCLSW</b> | Specular clear |
| <b>1001HCDSW</b> | Clear diffuse  |

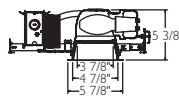
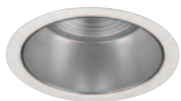
| Frame-in kit         | Wattage | Lamping   |
|----------------------|---------|-----------|
| <b>1001HIDE50U</b>   | 50w     | ED17 Open |
| <b>1001HIDE70U</b>   | 70w     | ED17 Open |
| <b>1001HIDE50ULC</b> | 50w     | ED17 Open |
| <b>1001HIDE70ULC</b> | 70w     | ED17 Open |



Example: With multiple clear reflector units located 3' from wall and spaced 3' on center the illumination on the wall 3' down from ceiling will be 55 f.c. beneath units and 57 f.c. between units.

| Distance from ceiling in Feet | 3' from Wall |    |    |
|-------------------------------|--------------|----|----|
|                               | 24           | 23 | 24 |
| 1'                            | 24           | 23 | 24 |
| 2'                            | 45           | 44 | 45 |
| 3'                            | 55           | 57 | 55 |
| 4'                            | 51           | 53 | 51 |
| 5'                            | 42           | 44 | 42 |
| 6'                            | 33           | 35 | 33 |
| 7'                            | 26           | 27 | 26 |
| 8'                            | 21           | 22 | 21 |
| 9'                            | 17           | 17 | 17 |
| 10'                           | 14           | 14 | 14 |

### 5" Uniframe HID horizontal lensed downlight – ED17



| Catalog no.        | Description                       |
|--------------------|-----------------------------------|
| <b>1001HCLFHID</b> | Specular clear cone, fresnel lens |
| <b>1001HCDFHID</b> | Clear diffuse cone, fresnel lens  |

| Frame-in kit         | Wattage | Lamping   |
|----------------------|---------|-----------|
| <b>1001HIDE50U</b>   | 50w     | ED17 Open |
| <b>1001HIDE70U</b>   | 70w     | ED17 Open |
| <b>1001HIDE50ULC</b> | 50w     | ED17 Open |
| <b>1001HIDE70ULC</b> | 70w     | ED17 Open |

| Multiple units – RCR 2 |                              |               |
|------------------------|------------------------------|---------------|
| Spacing on center      | Average initial foot-candles | Watts sq. Ft. |
| 6'                     | 48                           | 2.02          |
| 8'                     | 33                           | 1.40          |
| 10'                    | 21                           | 0.90          |

38' x 38' x 10' room  
Workplane 2 1/2' above floor  
80/50/20% reflectances

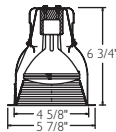
# Uniframe HID trims

## 5" Trims

Uniframe HID 5" trims also utilize our popular Lytecaster line of trims. These new optics, designed for the metal halide PAR lamp, give greater flexibility with a cost effective design optic designs that provide performance downlighting and adjustable accent lighting.



### 5" Uniframe HID step baffle – PAR

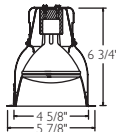


**Catalog no.**  
1005HID  
1005WHHID

**Description**  
Specular clear  
Clear diffuse

| Frame-in kit | Wattage | Lamping (CMH)        |
|--------------|---------|----------------------|
| 1001HIDP20U  | 20w     | PAR 20/PAR30 long    |
|              | 22w     |                      |
| 1001HIDP39U  | 39w     | PAR 20 / PAR 30 long |
| 1001HIDP70U  | 70w     | PAR30L               |
| 1001HIDP20U  | 20w     | PAR 20/PAR30 long    |
|              | 22w     | PAR 20/PAR30 long    |
| 1001HIDP39U  | 39w     | PAR 20 / PAR 30 long |
| 1001HIDP70U  | 70w     | PAR30L               |

### 5" Uniframe HID aperture cone – PAR

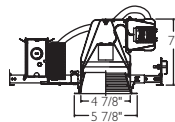


**Catalog no.**  
1013HID  
1013CDHID

**Description**  
Specular clear  
Clear diffuse

| Frame-in kit | Wattage | Lamping (CMH)        |
|--------------|---------|----------------------|
| 1001HIDP20U  | 20w     | PAR 20/PAR30 long    |
|              | 22w     |                      |
| 1001HIDP39U  | 39w     | PAR 20 / PAR 30 long |
| 1001HIDP70U  | 70w     | PAR30L               |
| 1001HIDP20U  | 20w     | PAR 20/PAR30 long    |
|              | 22w     | PAR 20/PAR30 long    |
| 1001HIDP39U  | 39w     | PAR 20 / PAR 30 long |
| 1001HIDP70U  | 70w     | PAR30L               |

### 5" Uniframe HID adjustable aperture cone – PAR

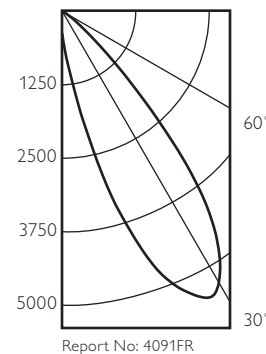


**Catalog no.**  
1027HID  
1027WHHID  
1027CDHID  
1048HID

**Description**  
Black baffle  
White baffle  
Clear diffuse  
Specular clear

#### 39W PAR 20 Ceramic MH - Flood

Lamp lumens 2000 LMS, max CBCP 5479, aimed at max tilt, beam angle 25°



| Candlepower Angle | Distribution 0° CP |
|-------------------|--------------------|
| 0                 | 381                |
| 5                 | 790                |
| 10                | 1675               |
| 15                | 3281               |
| 20                | 4645               |
| 25                | 5328               |
| 30                | 5328               |
| 35                | 4507               |
| 40                | 2985               |
| 45                | 1380               |
| 50                | 526                |
| 55                | 209                |
| 60                | 83                 |
| 65                | 30                 |
| 70                | 6                  |
| 75                | 15                 |
| 80                | 15                 |
| 85                | 4                  |
| 90                | 4                  |

| D   | C    | FC | L    | W    |
|---|------|----|------|------|
| <b>Footcandles at Center Beam Aimed at Horizontal Surface</b> |      |    |      |      |
| D   | C    | FC | L    | W    |
| 8'  | 4.2' | 60 | 4.4' | 3.8' |
| 10'   | 5.2' | 38 | 5.5' | 4.8' |
| 12'   | 6.2' | 27 | 6.6' | 5.8' |
| 14'   | 7.3' | 20 | 7.7' | 6.7' |

| D   | C    | FC  | L     | W    |
|---|------|-----|-------|------|
| <b>Footcandles at Center Beam Aimed at Horizontal Surface</b> |      |     |       |      |
| D   | C    | FC  | L     | W    |
| 3'  | 3.8' | 135 | 4.8'  | 1.8' |
| 4'  | 5.8' | 60  | 7.2'  | 2.8' |
| 5'  | 7.7' | 34  | 9.6'  | 3.7' |
| 6'  | 9.6' | 22  | 12.0' | 4.6' |





# Uniframe HID housings

## 6 3/4" Frame-in kits

Uniframe HID is truly a value added product with its Grid-Lock® tool-free installation features and utilization of affordable PAR and ED17 Ceramic Metal Halide lamps.

### 6 3/4" Uniframe non-IC ED17 metal halide new construction



Cut out 6 15/16"  
Width 7 3/4"  
Length 12 15/16"  
Depth See specification sheet

Frame-in kit

|                         |                                |      |      |
|-------------------------|--------------------------------|------|------|
| <b>1101HIDED50U</b>     | 120/277v                       | ED17 | 50w  |
| <b>1101HIDED70U</b>     | 120/277v                       | ED17 | 70w  |
| <b>1101HIDED100U*</b>   | 120/277v                       | ED17 | 100w |
| <b>1101HIDED50ULC</b>   | 120/277v -Chicago Plenum rated | ED17 | 50w  |
| <b>1101HIDED70ULC</b>   | 120/277v -Chicago Plenum rated | ED17 | 70w  |
| <b>1101HIDED100ULC*</b> | 120/277v -Chicago Plenum rated | ED17 | 100w |
| <b>1101HIDED70UAUX</b>  | 120/277v - 100W T4 AUX         | ED17 | 70w  |
| <b>1101HIDED100UAUX</b> | 120/277v - 100W T4 AUX         | ED17 | 100w |

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 6 3/4" design is ideal for ceilings up to 20' where less lamp maintenance is desired and area requires greater light levels.

ED17 lamps are ideal for general lighting and lower ceilings as it provides a wider and more even illumination across the space.

\* Marked spacing of 2 feet on center required

### 6 3/4" Uniframe non-IC PAR metal halide new construction



Cut out 6 15/16"  
Width 7 3/4"  
Length 12 15/16"  
Depth See specification sheet

Frame-in kit

|                        |                               |      |                    |
|------------------------|-------------------------------|------|--------------------|
| <b>1101HIDP39U</b>     | 120/277v                      | 39w  | PAR30 long         |
| <b>1101HIDP70U</b>     | 120/277v                      | 70w  | PAR30 long / PAR38 |
| <b>1101HIDP100U*</b>   | 120/277v                      | 100w | PAR 38             |
| <b>1101HIDP39ULC</b>   | 120/277v-Chicago Plenum rated | 39w  | PAR30 long         |
| <b>1101HIDP70ULC</b>   | 120/277v-Chicago Plenum rated | 70w  | PAR30 long / PAR38 |
| <b>1101HIDP100ULC*</b> | 120/277v-Chicago Plenum rated | 100w | PAR 38             |

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 6 3/4" design is ideal for ceilings up to 20' where less lamp maintenance is desired and area requires greater light levels.

Ceramic Metal Halide PAR lamps are excellent for high ceilings where an extra punch of light is needed.

\* Marked spacing of 2 feet on center required

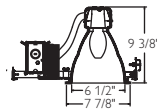
# Uniframe HID trims

## 6 3/4" Trims

Uniframe HID is all about performance and value. Designed around affordable, energy efficient HID lamps, Uniframe HID utilizes existing Uniframe performance optics as well as a host of affordable Lytecaster trims designed for this product line. Over 40 different trim styles provide several downlighting options in vertical and horizontal lamping, recessed adjustable designs, slope ceilings and several wet location products for effective lighting of commercial applications



### 6 3/4" Uniframe HID open downlight – ED17



| Catalog no.   | Description    |
|---------------|----------------|
| <b>1101CL</b> | Specular clear |
| <b>1101CD</b> | Clear diffuse  |

#### Reference data

|                         |           |
|-------------------------|-----------|
| <b>Reflector</b>        | 1101CL    |
| <b>Lamp</b>             | 100W ED17 |
| <b>Lamp lumens</b>      | 7900      |
| <b>Efficiency</b>       | 62.0%     |
| <b>Spacing criteria</b> | 1.36      |

| Frame-in kit           | Wattage | Lamping   |
|------------------------|---------|-----------|
| <b>1101HIDED50U</b>    | 50w     | ED17 Open |
| <b>1101HIDED70U</b>    | 70w     | ED17 Open |
| <b>1101HIDED100U</b>   | 100w    | ED17 Open |
| <b>1101HIDED50ULC</b>  | 50w     | ED17 Open |
| <b>1101HIDED70ULC</b>  | 70w     | ED17 Open |
| <b>1101HIDED100ULC</b> | 100w    | ED17 Open |

#### Single unit data

| Height to lighted plane | Initial center beam foot-candles | Beam diameter |
|-------------------------|----------------------------------|---------------|
| 6'                      | 70                               | 8'            |
| 8'                      | 39                               | 11'           |
| 10'                     | 25                               | 14'           |
| 12'                     | 17                               | 16'           |

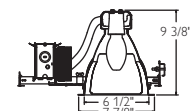
Beam diameter is where foot-candles drop to 50% of maximum.

#### Multiple units – RCR 2

| Spacing on center | Average initial foot-candles | Watts sq. Ft. |
|-------------------|------------------------------|---------------|
| 6'                | 121                          | 2.97          |
| 8'                | 84                           | 2.06          |
| 10'               | 54                           | 1.32          |

38' x 38' x 10' room  
Workplane 2 1/2' above floor  
80/50/20% reflectances

### 6 3/4" Uniframe HID open wall wash – ED17



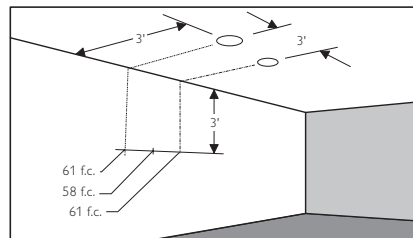
| Catalog no.     | Description    |
|-----------------|----------------|
| <b>1101CLSW</b> | Specular clear |
| <b>1101CDSW</b> | Clear diffuse  |

| Frame-in kit           | Wattage | Lamping   |
|------------------------|---------|-----------|
| <b>1101HIDED50U</b>    | 50w     | ED17 Open |
| <b>1101HIDED70U</b>    | 70w     | ED17 Open |
| <b>1101HIDED100U</b>   | 100w    | ED17 Open |
| <b>1101HIDED50ULC</b>  | 50w     | ED17 Open |
| <b>1101HIDED70ULC</b>  | 70w     | ED17 Open |
| <b>1101HIDED100ULC</b> | 100w    | ED17 Open |

### 100W ED17 Coated metal halide

#### Luminaires 3' from wall

| Distance from ceiling in Feet | 1' | 2' | 3' | 4' | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' |
|-------------------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 1'                            | 27 | 24 | 27 |    |    |    |    |    |    |     |     |     |     |     |
| 2'                            | 45 | 43 | 45 |    |    |    |    |    |    |     |     |     |     |     |
| 3'                            |    | 61 | 58 | 61 |    |    |    |    |    |     |     |     |     |     |
| 4'                            |    | 71 | 68 | 71 |    |    |    |    |    |     |     |     |     |     |
| 5'                            |    | 66 | 65 | 66 |    |    |    |    |    |     |     |     |     |     |
| 6'                            |    | 55 | 5  | 55 |    |    |    |    |    |     |     |     |     |     |
| 7'                            |    | 44 | 45 | 44 |    |    |    |    |    |     |     |     |     |     |
| 8'                            |    | 35 | 36 | 35 |    |    |    |    |    |     |     |     |     |     |
| 9'                            |    | 28 | 28 | 28 |    |    |    |    |    |     |     |     |     |     |
| 10'                           |    | 22 | 23 | 22 |    |    |    |    |    |     |     |     |     |     |
| 11'                           |    | 18 | 18 | 18 |    |    |    |    |    |     |     |     |     |     |
| 12'                           |    | 15 | 15 | 15 |    |    |    |    |    |     |     |     |     |     |
| 13'                           |    | 12 | 12 | 12 |    |    |    |    |    |     |     |     |     |     |
| 14'                           |    | 10 | 10 | 10 |    |    |    |    |    |     |     |     |     |     |



Example: 42w with multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 47 f.c. beneath units and 47 f.c. between units.

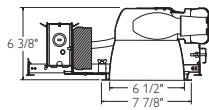
# Uniframe HID trims



## 6 3/4" Trims

Uniframe HID 6 3/4" trims provide commercial level lumen performance and flexibility. Designed around higher lamp wattages, they are an ideal solution in applications with high ceilings where energy efficiency is a must. All open trims utilize an ED17 lamp in vertical and horizontal lamping for optimal performance.

### 6 3/4" Uniframe HID horizontal open downlight – ED17

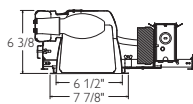


| Reference data          |           |
|-------------------------|-----------|
| <b>Reflector</b>        | 1101HCL   |
| <b>Lamp</b>             | 100W ED17 |
| <b>Lamp lumens</b>      | 7900      |
| <b>Efficiency</b>       | 56.0%     |
| <b>Spacing criteria</b> | 1.42      |

| Frame-in kit           | Wattage | Lamping   |
|------------------------|---------|-----------|
| <b>1101HIDED50U</b>    | 50w     | ED17 Open |
| <b>1101HIDED70U</b>    | 70w     | ED17 Open |
| <b>1101HIDED100U</b>   | 100w    | ED17 Open |
| <b>1101HIDED50ULC</b>  | 50w     | ED17 Open |
| <b>1101HIDED70ULC</b>  | 70w     | ED17 Open |
| <b>1101HIDED100ULC</b> | 100w    | ED17 Open |

| Catalog no.    | Description    |
|----------------|----------------|
| <b>1101HCL</b> | Specular clear |
| <b>1101HCD</b> | Clear diffuse  |

### 6 3/4" Uniframe HID horizontal open wall wash – ED17



| Frame-in kit           | Wattage | Lamping   |
|------------------------|---------|-----------|
| <b>1101HIDED50U</b>    | 50w     | ED17 Open |
| <b>1101HIDED70U</b>    | 70w     | ED17 Open |
| <b>1101HIDED100U</b>   | 100w    | ED17 Open |
| <b>1101HIDED50ULC</b>  | 50w     | ED17 Open |
| <b>1101HIDED70ULC</b>  | 70w     | ED17 Open |
| <b>1101HIDED100ULC</b> | 100w    | ED17 Open |

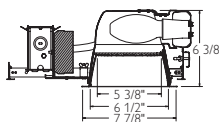
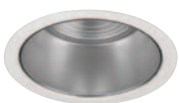
**Lighting Data**  
Footcandles on Wall: Multiple Units

| Distance from Ceiling, in Feet | 46  | 31  | 46  |
|--------------------------------|-----|-----|-----|
| 1'                             | 46  | 31  | 46  |
| 2'                             | 85  | 81  | 85  |
| 3'                             | 107 | 118 | 107 |
| 4'                             | 96  | 104 | 96  |
| 5'                             | 79  | 78  | 79  |
| 6'                             | 57  | 61  | 57  |
| 7'                             | 43  | 47  | 43  |
| 8'                             | 34  | 36  | 34  |
| 9'                             | 27  | 28  | 27  |
| 10'                            | 21  | 22  | 21  |
| 11'                            | 17  | 18  | 17  |
| 12'                            | 14  | 14  | 14  |
| 13'                            | 11  | 12  | 11  |
| 14'                            | 9   | 10  | 9   |

Example: With multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 107 f.c. beneath units and 118 f.c. between units.

| Catalog no.      | Description    |
|------------------|----------------|
| <b>1101HCLSW</b> | Specular clear |
| <b>1101HCDSW</b> | Clear diffuse  |

### 6 3/4" Uniframe HID horizontal lensed downlight – ED17



| Reference data          |             |
|-------------------------|-------------|
| <b>Reflector</b>        | 1101HCLFHID |
| <b>Lamp</b>             | 100W ED17   |
| <b>Lamp lumens</b>      | 7900        |
| <b>Efficiency</b>       | 66.0%       |
| <b>Spacing criteria</b> | 0.96        |

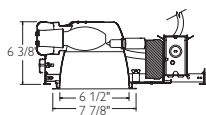
| Multiple Unit Data - RCR 2 |                          |                |
|----------------------------|--------------------------|----------------|
| Spacing On Ctr.            | Avg. Initial Footcandles | Watts/ Sq. Ft. |
| 6'                         | 129                      | 2.84           |
| 8'                         | 90                       | 1.97           |
| 10'                        | 57                       | 1.26           |

38'x38'x10' Room, W/Workplane 2 1/2' above floor; 80/50/20% Reflectances

| Catalog no.        | Description                       |
|--------------------|-----------------------------------|
| <b>1101HCLFHID</b> | Specular clear cone, fresnel lens |
| <b>1101HCDFHID</b> | Clear diffuse cone, fresnel lens  |

| Frame-in kit          | Wattage | Lamping   |
|-----------------------|---------|-----------|
| <b>1001HIDED50U</b>   | 50w     | ED17 Open |
| <b>1001HDEED70U</b>   | 70w     | ED17 Open |
| <b>1001HIDED50ULC</b> | 50w     | ED17 Open |
| <b>1001HDEED70ULC</b> | 70w     | ED17 Open |

### 6 3/4" Uniframe HID horizontal open downlight – ED17 with T4 auxiliary lamp holder



| Reference data          |            |
|-------------------------|------------|
| <b>Reflector</b>        | 1101HCLAUX |
| <b>Lamp</b>             | 100W ED17  |
| <b>Lamp lumens</b>      | 7900       |
| <b>Efficiency</b>       | 56.0%      |
| <b>Spacing criteria</b> | 1.42       |

| Frame-in kit            | Wattage | Lamping   |
|-------------------------|---------|-----------|
| <b>1101HIDED70UAUX</b>  | 70w     | ED17 Open |
| <b>1101HIDED100UAUX</b> | 100w    | ED17 Open |

| Catalog no.       | Description    |
|-------------------|----------------|
| <b>1101HCLAUX</b> | Specular clear |
| <b>1101HCDAUX</b> | Clear diffuse  |

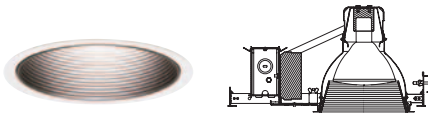
# Uniframe HID trims

## 6 3/4" Trims

Uniframe HID also provides trims with a built in auxiliary option. In the event power is interrupted momentarily, a T4 lamp will provide the necessary illumination until the HID lamp restrikes and warms up.



### 6 3/4" Uniframe HID step baffle - PAR



| Catalog no.      | Description        |
|------------------|--------------------|
| <b>1105HID</b>   | Matte Black baffle |
| <b>1105WHHID</b> | Matte white Baffle |

| Frame-in kit          | Wattage | Lamping (CMH)      |
|-----------------------|---------|--------------------|
| <b>1101HIDP39U</b>    | 39w     | PAR30 long         |
| <b>1101HIDP70U</b>    | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100U</b>   | 100w    | PAR 38             |
| <b>1101HIDP39ULC</b>  | 39w     | PAR30 long         |
| <b>1101HIDP70ULC</b>  | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100ULC</b> | 100w    | PAR 38             |

### Auxiliary lighting for recessed HID luminaires and cylinders (A)

HID lamps require a "warm-up" period of 5 to 10 minutes to reach full output. Additionally, when these lamps are extinguished they must cool for 5 to 15 minutes before they will relight. Outage can be caused by momentary power failure, substantial voltage reduction or cycle changes.

To provide a minimum level of illumination, a double-contact bayonet socket and solid-state switching device, (for use with a 120V tungsten-halogen lamp) operate during initial HID lamp warm-up, or cold-off-and-restart period.

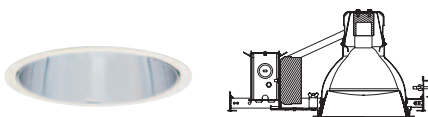
The tungsten-halogen lamp remains on until the HID lamp reaches approximately 60% of its light output.

Note: The auxiliary is not emergency lighting and will only operate when there is power to the luminaire.

#### Maximum Tungsten-Halogen Lamp Wattage

| HID Lamp      | Tungsten-halogen lamp T-4, 120V Double-contact bayonet |
|---------------|--|
| 70W-100W ED17 | 100W   |

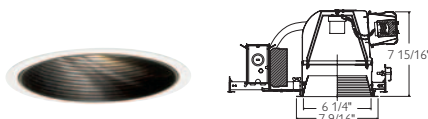
### 6 3/4" Uniframe HID aperture cone - PAR



| Catalog no.      | Description    |
|------------------|----------------|
| <b>1113HID</b>   | Specular clear |
| <b>1113CDHID</b> | Clear diffuse  |

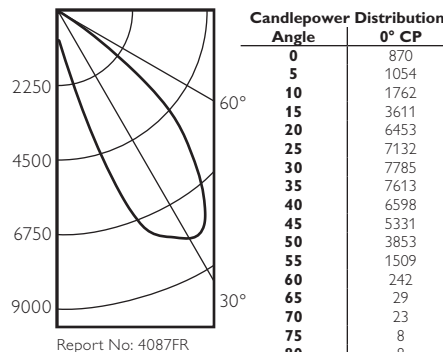
| Frame-in kit          | Wattage | Lamping (CMH)      |
|-----------------------|---------|--------------------|
| <b>1101HIDP39U</b>    | 39w     | PAR30 long         |
| <b>1101HIDP70U</b>    | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100U</b>   | 100w    | PAR 38             |
| <b>1101HIDP39ULC</b>  | 39w     | PAR30 long         |
| <b>1101HIDP70ULC</b>  | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100ULC</b> | 100w    | PAR 38             |

### 6 3/4" Uniframe HID adjustable aperture cone - PAR



| Catalog no.      | Description    |
|------------------|----------------|
| <b>1127HID</b>   | Black baffle   |
| <b>1127WHHID</b> | White baffle   |
| <b>1127CDHID</b> | Clear diffuse  |
| <b>1148HID</b>   | Specular clear |

70W PAR 30 Ceramic MH - flood, lamp lumens 4300  
LMS, Max CBCP 7834, aimed at max tilt, beam angle 35°



| Frame-in kit          | Wattage | Lamping (CMH)      |
|-----------------------|---------|--------------------|
| <b>1101HIDP39U</b>    | 39w     | PAR30 long         |
| <b>1101HIDP70U</b>    | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100U</b>   | 100w    | PAR 38             |
| <b>1101HIDP39ULC</b>  | 39w     | PAR30 long         |
| <b>1101HIDP70ULC</b>  | 70w     | PAR30 long / PAR38 |
| <b>1101HIDP100ULC</b> | 100w    | PAR 38             |

### Mode of operation

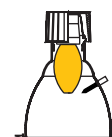
#### Initial start

HID lamp and tungsten halogen lamp both energized. HID lamp starts warming up; tungsten-halogen lamp at full output.



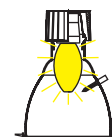
#### Partial warm-up

HID lamp reaches approximately 60% light output; tungsten-halogen lamp switched off.



#### Full warm-up

HID lamps at 100% light output.



#### "Hot" restart

HID lamp and tungsten-halogen lamp both energized. HID lamp too hot to start; tungsten-halogen lamp at full output. After HID lamp cools down and starts, cycle begins as in "Initial Start" above.



| D   | C    | FC | L     | W     | D   | C     | FC | L     | W    |
|---|------|----|-------|-------|---|-------|----|-------|------|
| <b>Footcandles at center beam Aimed at horizontal surface</b> |      |    |       |       | <b>Footcandles at center beam Aimed at horizontal surface</b> |       |    |       |      |
| 8'  | 4.2' | 85 | 6.6'  | 5.7'  | 3'  | 5.8'  | 86 | 14.0' | 4.1' |
| 10'   | 5.2' | 55 | 8.2'  | 7.1'  | 4'  | 7.7'  | 48 | 18.7' | 5.5' |
| 12'   | 6.2' | 38 | 9.9'  | 8.5'  | 5'  | 9.6'  | 31 | 23.4' | 6.8' |
| 14'   | 7.3' | 28 | 11.5' | 10.0' | 6'  | 11.5' | 21 | 28.0' | 8.2' |



# Lytecaster Performance incandescent housings

## 4", 5", 7" and 8" housings

Uniframe's three lensed products have a variety of lens styles. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

### Standard IC, deep IC and AirSeal® IC

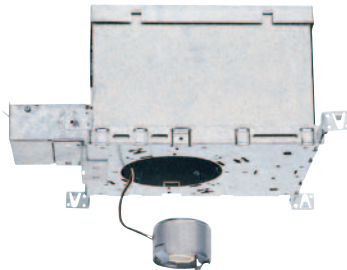
Designed for new construction where insulation will be in direct contact with the fixture. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Installed appearance of Deep IC precisely matches Lytecaster Non-IC Frame-in Kits. Fully gasketed AirSeal® IC housings minimize air leakage for compliance with MEC and WSEC. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring, integral cable clamps for nonmetallic (Romex®) cable.



| AirSeal®           | 2000IC<br>2000AIC | 1000IC<br>1000AICM | 1100IC<br>1100AICM | 1100DICM<br>1100DAICM |
|--------------------|-------------------|--------------------|--------------------|-----------------------|
| <b>Cut out (A)</b> | 3 11/16"          | 5 1/8"             | 6 13/16"           | 6 13/16"              |
| <b>Width (W)</b>   | 7 1/2"            | 9"                 | 9"                 | 9"                    |
| <b>Length (L)</b>  | 10 1/4"           | 15 1/2"            | 15 1/2"            | 15 1/2"               |
| <b>Depth (D)</b>   | 5 1/2"            | 7 5/16"            | 7 5/16"            | 9 1/4"                |

### Performance PAR non-IC

Designed for new construction where insulation will not be installed. Performance PAR Non-IC is specifically designed for use with Performance PAR Recessed Adjustable reflector trims. Accommodates ceilings up to 1" thick. Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.



|                    | 2000P1   | 1000P1  | 1700P1  |
|--------------------|----------|---------|---------|
| <b>Cut out (A)</b> | 3 11/16" | 5 1/8"  | 7 7/8"  |
| <b>Width (W)</b>   | 7 1/2"   | 9"      | 10 7/8" |
| <b>Length (L)</b>  | 10 1/4"  | 15 1/2" | 15 1/2" |
| <b>Depth* (D)</b>  | 5 1/2"   | 6 7/8"  | 9 3/4"  |

# Lytecaster Performance incandescent trims

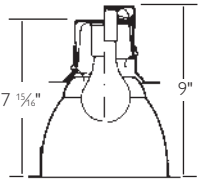
## 6 3/4" Reflector trims

This selection of 6 3/4" open downlights provides superior performance for general lighting applications requiring greater lumen output.

- Created of the highest quality aluminum, deep anodized reflectors feature a specular, mirror-like finish that provides 40% more light than black baffle downlights, superior cut-off, and the best glare control.



## 6 3/4" Deep anodized



### Reflector

|               |                |
|---------------|----------------|
| <b>1145</b>   | Specular gold  |
| <b>1146</b>   | Specular clear |
| <b>1146CD</b> | Clear diffuse  |

### A19

#### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 32                      | 8'        |
| 10'          | 17                      | 11'       |
| 12'          | 11                      | 14'       |

#### Multiple units /S.R.=1.1

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 75          | 61        |
| 6'           | 33          | 27        |
| 8'           | 19          | 16        |

### A21

#### 150W A21 Single Unit

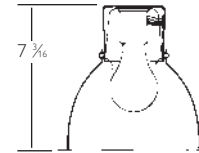
| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 54                      | 8'        |
| 10'          | 29                      | 11'       |
| 12'          | 18                      | 14'       |

#### Multiple units /S.R.=1.1

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 125         | 102       |
| 6'           | 55          | 45        |
| 8'           | 31          | 26        |

| Kit              | Frame-in        |        | Lamping |      |      |       |
|------------------|-----------------|--------|---------|------|------|-------|
|                  | Ceiling         | Exist. | A19     | A21  | BR30 | PAR38 |
| <b>1102P1</b>    | Non-IC          | Exist. | 100W    | 150W | 85W  | —     |
| <b>1103R</b>     | Non-IC          | Exist. | 100W    | 150W | 85W  | —     |
| <b>1100DAICM</b> | Deep AirSeal IC | —      | 100W    | —    | 85W  | 100W  |
| <b>1100DICM</b>  | Deep IC         | —      | 100W    | —    | 85W  | 100W  |

## 6 3/4" Shallow anodized



### Reflector

|               |                |
|---------------|----------------|
| <b>1143</b>   | Specular gold  |
| <b>1144</b>   | Specular clear |
| <b>1144CD</b> | Clear diffuse  |

### A19

#### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 28                      | 9'        |
| 10'          | 15                      | 13'       |
| 12'          | 10                      | 16'       |

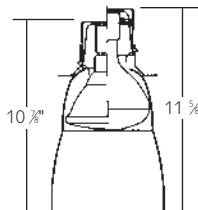
#### Multiple units /S.R.=1.2

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 82          | 67        |
| 6'           | 36          | 30        |
| 8'           | 20          | 17        |

### PAR30

| Kit              | Frame-in        |        | Lamping  |         |         |      |
|------------------|-----------------|--------|----------|---------|---------|------|
|                  | Ceiling         | Exist. | A19      | BR30    | PAR30   | BR40 |
| <b>1102P1</b>    | Non-IC          | Exist. | 100W     | —       | —       | —    |
| <b>1103R</b>     | Non-IC          | Exist. | 100W     | —       | —       | —    |
| <b>1104ICX**</b> | IC              | —      | 100W     | —       | —       | —    |
| <b>1100DAICM</b> | Deep AirSeal IC | —      | 100W     | —       | —       | —    |
| <b>1100DICM</b>  | Deep IC         | —      | 100W     | —       | —       | —    |
| <b>1104IC**</b>  | IC/Non-IC       | —      | 75W/100W | 85W/85W | 75W/75W | —    |
| <b>1104ICR</b>   | IC/Non-IC       | Exist. | 75W/100W | 85W/85W | 75W/75W | —    |
| <b>1100IC</b>    | IC              | —      | 100W     | —       | —       | —    |
| <b>1100AICM</b>  | AirSeal IC      | —      | 100W     | —       | —       | —    |

## 6 3/4" Deep anodized



### Reflector

|               |                |
|---------------|----------------|
| <b>1149</b>   | Specular black |
| <b>1150</b>   | Specular gold  |
| <b>1151</b>   | Specular clear |
| <b>1151CD</b> | Clear diffuse  |

### BR40

#### 150W BR40 FL Single

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 68                      | 4'        |
| 10'          | 37                      | 6'        |
| 12'          | 23                      | 7'        |

#### Multiple units /S.R.=0.7

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 89          | 75        |
| 6'           | 40          | 33        |
| 8'           | 22          | 19        |

### PAR38

#### 250W PAR38 FL (T-H)

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 10'          | 164                     | 4'        |
| 12'          | 103                     | 5'        |
| 14'          | 70                      | 6'        |

#### Multiple units /S.R.=0.5

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 217         | 195       |
| 5'           | 139         | 124       |
| 6'           | 96          | 87        |

| Kit           | Frame-in |        | Lamping |                 |      |
|---------------|----------|--------|---------|-----------------|------|
|               | Ceiling  | Exist. | PAR38   | PAR38 Cool Beam | BR40 |
| <b>1102P1</b> | Non-IC   | Exist. | 250W    | 150W            | 150W |
| <b>1103R</b>  | Non-IC   | Exist. | 250W    | 150W            | 150W |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

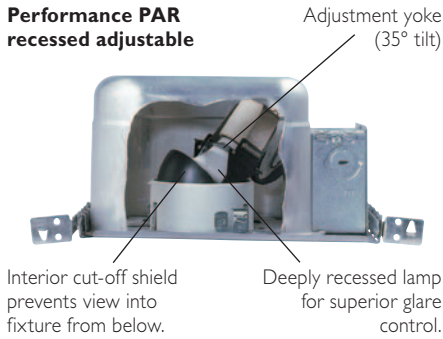


# Lytecaster Performance incandescent trims

## 6 3/4" Accent lighting - line voltage trims

Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces. It is typically achieved with adjustable downlights whose beams can be carefully aimed.

### Performance PAR recessed adjustable

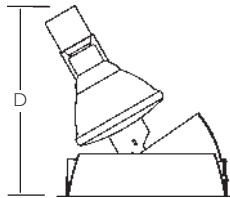


### Performance PAR recessed accent

Designed for high impact accent lighting, this selection of reflector trims can be carefully aimed to deliver light exactly where it is needed.

- **7 1/2" Performance PAR Adjustable** utilizes the PAR38 lamp to provide powerful, deeply recessed accent lighting in retail and commercial applications.

## 7 1/2" Performance PAR recessed adjustable



Vertical tilt: 35°

| Frame-in Kit  | Ceiling | Lamping PAR38 |
|---------------|---------|---------------|
| <b>1700P1</b> | Non-IC  | 150W          |

### Reflector

- 1738CL†** Specular clear
- 1738GD†** Specular gold





# Ardee

Quality materials and intelligent designs combine to create a multitude of lighting effects for all applications.

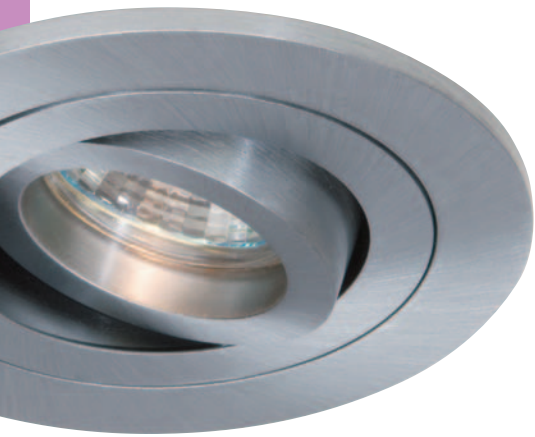
These high quality functional and decorative lighting fixtures can create inviting lighting effects for all applications.





## Contents

|                  |   |       |
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| Focus & Variante | > | 1.208 |
| ModuleX M3       | > | 1.215 |
| MatreX           | > | 1.230 |
| Indigo           | > | 1.235 |
| Hover CF         | > | 1.238 |



## Focus & Varianti

### Small aperture downlight

The Focus and Varianti Series of recessed downlights is a collection of small aperture (3" and 3.5" diameter) precision machined trims and rough-ins engineered for a variety of commercial and residential applications.

These high quality fixtures are offered in seven standard contemporary finishes to meet the demands for sophisticated lighting solutions where function and finish are critical. Choose from either of the two styles of fixed lamp trims or the adjustable lamp trims, all designed to accept MR-16 and MR-11 lamps.

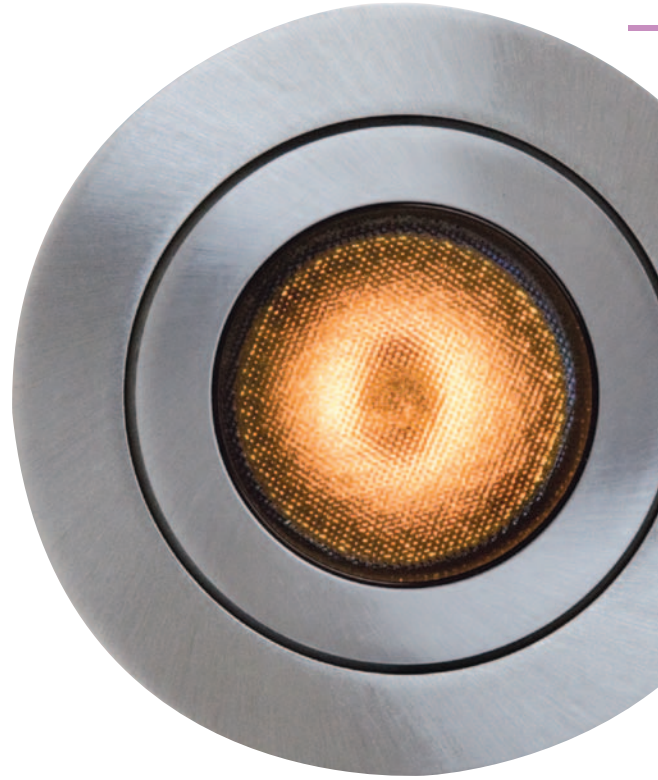


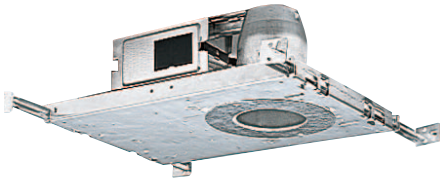
# Focus & Varianti

## Small aperture downlight

### Features

- Focus and Varianti offer the ability to change the lamp without having to remove the entire trim from the ceiling. The machined inner lamp ring simply and easily snaps in and out of the outer ring which remains in place, acting as a barrier to the ceiling opening so a pristine ceiling surface is maintained.
- Focus trims have a fixed lamp position in either a shallow or deep regressed lamp configuration. This gives the option of creating sparkle or subtleness on the ceiling plane, further defining the ambience of the space.
- Varianti trims have an adjustable lamp holder designed to provide flexible accent lighting for artwork, walls and millwork.
- Focus and Varianti surface trims are listed for use in display cases, millwork lighting, and cabinet applications when used with the ultra-shallow cabinet rough-in. A remote transformer is required to provide power to single or multiple fixtures.
- Flush trim rough-ins created especially for Focus and Varianti. Ideal for drywall ceiling applications where an integrated and flush appearance enhances the quality of the space.
- All Focus and Varianti trims accept up to two optical accessories that can be combined or used individually. Select from various spread lenses, color filters, and brightness control louvers to create custom light distribution and effects.
- Four plated and three painted trim finishes are standard. Consult factory for custom colors.

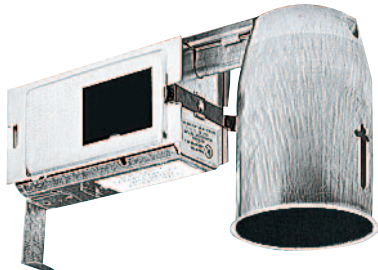




**Standard construction**

Thermally protected housing with an integral magnetic or electronic transformer to provide 12V power to the trim. Galvanized steel plaster frame, can and junction box construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. 277V, 60Hz transformer available.

Flush trim rough-ins created especially for Focus and Varianti. Ideal for drywall ceiling applications where an integrated and flush appearance enhances the quality of the space.



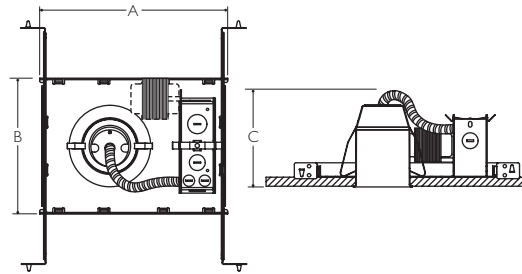
**Remodel**

Thermally protected housing with an integral magnetic transformer to provide 12V power to the trim. Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access. Operates at 120V, 60Hz. Includes support clips. 277V, 60Hz transformer available. Flush trim style available for remodel series.

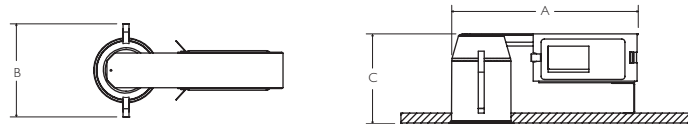
# Focus & Varianti housing

**Small aperture downlight rough-ins**

Focus/Varianti downlight trims require the use of downlight rough-ins for listed installation.



| Series      | Dimensions       |               |                |               |                 |
|-------------|------------------|---------------|----------------|---------------|-----------------|
|             | A                |               | B              |               | C               |
|             | min              | max           | min            | max           |                 |
| <b>A30S</b> | 10.37"<br>264 mm | 27"<br>686 mm | 7.5"<br>191 mm | 21"<br>533 mm | 5.32"<br>135 mm |
| <b>A35S</b> | 10.37"<br>264 mm | 27"<br>686 mm | 7.5"<br>191 mm | 21"<br>533 mm | 5.32"<br>135 mm |



| Series      | Dimensions       |                 |                 |
|-------------|------------------|-----------------|-----------------|
|             | A                | B               | C               |
| <b>A30R</b> | 9.41"<br>239 mm  | 4.7"<br>119 mm  | 4.54"<br>115 mm |
| <b>A35R</b> | 11.54"<br>293 mm | 4.95"<br>126 mm | 5.34"<br>136 mm |

**Ordering information**

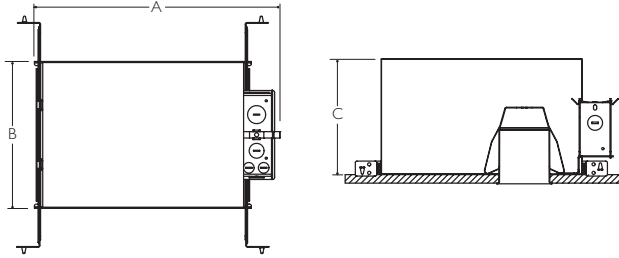
To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** A30SFT-120-E

|  |                                      |                                   |                                     |  |  |        |
|--|--------------------------------------|-----------------------------------|-------------------------------------|--|--|--------|
| Series                                 |                                      |                                   |                                     | A30S   |  |        |
| <b>A30S</b>                            | <b>A35S</b>                          | <b>A30R</b>                       | <b>A35R</b>                         |  |  |        |
| 3" Standard surface mount rough-in     | 3.5" Standard surface mount rough-in | 3" remodel surface mount rough-in | 3.5" remodel surface mount rough-in |  |  |        |
| Trim Option                            |                                      |                                   |                                     | FT   |  |        |
| Leave blank for standard trim          |                                      |                                   |                                     | Flush trim available for Focus and Varianti only |  |        |
| Voltage                                |                                      |                                   |                                     | 12   |  |        |
| 120                                    | 277                                  |                                   |                                     | 12   |  | Remote |
| 120v                                   | 277v                                 |                                   |                                     |  |  |        |
| Electronic transformer option          |                                      |                                   |                                     |  |  |        |
| E                                      |                                      |                                   |                                     |  |  |        |
| Electronic                             |                                      |                                   |                                     |  |  |        |
| (Not available for remote transformer) |                                      |                                   |                                     |  |  |        |

# Focus & Varianti housing

## Small aperture downlight rough-ins



| Series      | Dimensions |        |        |        |
|-------------|------------|--------|--------|--------|
|             | A          |        | B      | C      |
|             | min        | max    |        |        |
| <b>A30I</b> | 14.44"     | 8.62"  | 21.0"  | 6.8"   |
|             | 367 mm     | 219 mm | 533 mm | 173 mm |
| <b>A35I</b> | 14.44"     | 8.62"  | 21.0"  | 5.32"  |
|             | 367 mm     | 219 mm | 533 mm | 135 mm |

Dimensions listed above are for IC rough-ins using magnetic transformers. Refer to spec sheet for specific dimensions on other rough-in variations.

### Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. **Example:** A30IFT-35-120

#### Series

| A30I                 | A35I                   | A30AT                    | A35AT                      | A30CC*                      | A35CC*                        |
|----------------------|------------------------|--------------------------|----------------------------|-----------------------------|-------------------------------|
| 3" IC rated rough-in | 3.5" IC rated rough-in | 3" Air tight/IC rough-in | 3.5" Air tight/IC rough-in | 3" City of Chicago rough-in | 3.5" City of Chicago rough-in |

#### Trim options

|                               |   |
|-------------------------------|---|
| Leave blank for standard trim | <b>FT</b><br>Flush trim available for Focus and Varianti only |
|-------------------------------|---|

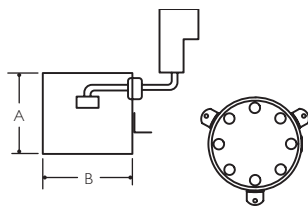
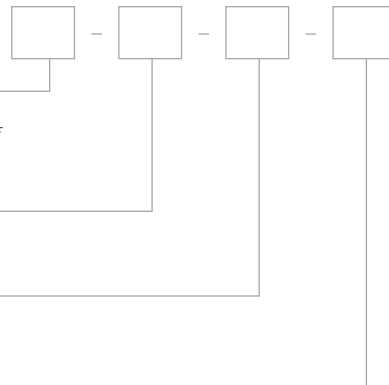
#### Wattage (maximum)

|                       |   |
|-----------------------|---|
| <b>35</b><br>35w max. | <b>50</b><br>50w max. (3.5" City of Chicago only) |
|-----------------------|---|

#### Voltage

|                 |                 |
|-----------------|-----------------|
| <b>120</b> 120v | <b>277</b> 277v |
|-----------------|-----------------|

\*City of Chicago only approved (Non-IC)



### Ordering information

To specify a complete catalog number, select below, and select a transformer from page 1.212.

|                |                                 |
|----------------|---------------------------------|
| <b>A30C-12</b> | 3" cabinet fixture rough-in     |
| <b>A35C-12</b> | 3 1/2" cabinet fixture rough-in |

Listed low voltage cabinet light rough-in

| Series         | Dimensions |         |             |
|----------------|------------|---------|-------------|
|                | A          | B       | Cutout dim. |
| <b>A30C-12</b> | 2.875"     | 3.188"  | 3.25"       |
|                | 73 mm      | 81 mm   | 82.5 mm     |
| <b>A35C-12</b> | 2.875"     | 3.531"  | 3.625"      |
|                | 73 mm      | 89.6 mm | 92 mm       |



### Cabinet can

Ultra shallow housing for use with remote mounted transformers. UL listed for use in display cases, millwork, and cabinet applications. 35 watts max. Miniature junction box with 1/2" knockout supplied with cabinet can for connecting to Class I or Class II transformers, ordered separately (see page 1.212).



# Electronic transformer

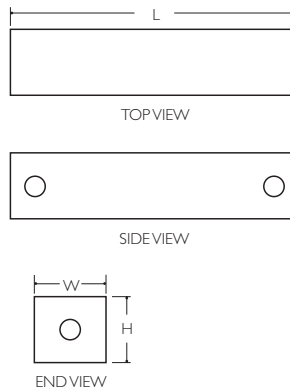
## TE Series

### Ordering information

### TE Series electronic transformers

UL Listed, features lightweight and compact design with self-resetting short circuit and overload protection. Dimmable using some compatible incandescent dimmers. 120 volt primary, secondary voltage as indicated. Refer to chart below for minimum load requirements. Maximum remote mounting distance is 20 feet.

| Class I Transformers  |             |         |              |
|-----------------------|-------------|---------|--------------|
| Catalog number        | Description |         |              |
| TE72X                 | 75 watt     | 12 volt | non-enclosed |
| TE72B                 | 75 watt     | 12 volt | enclosed     |
| TE74X                 | 75 watt     | 24 volt | non-enclosed |
| TE74B                 | 75 watt     | 24 volt | enclosed     |
| TE152                 | 150 watt    | 12 volt | enclosed     |
| TE154                 | 150 watt    | 24 volt | enclosed     |
| TE32                  | 300 watt    | 12 volt | enclosed     |
| TE34                  | 300 watt    | 24 volt | enclosed     |
| Class II Transformers |             |         |              |
| Catalog number        | Description |         |              |
| TE62X                 | 60 watt     | 12 volt | non-enclosed |
| TE62B                 | 60 watt     | 12 volt | enclosed     |
| TE64X                 | 60 watt     | 24 volt | non-enclosed |
| TE64B                 | 60 watt     | 24 volt | enclosed     |



| Dimension key |        |        |        |
|---------------|--------|--------|--------|
| Transformer   | L      | W      | D      |
| TE72X         | 2.1"   | 1.294" | 0.79"  |
| TE72B         | 4.0"   | 4.0"   | 1.5"   |
| TE74X         | 2.6"   | 1.294" | 0.79"  |
| TE74B         | 4.0"   | 4.0"   | 1.5"   |
| TE152         | 6.5"   | 1.5"   | 1.38"  |
| TE154         | 6.5"   | 1.5"   | 1.38"  |
| TE32          | 9.38"  | 1.63"  | 1.44"  |
| TE34          | 9.38"  | 1.63"  | 1.44"  |
| TE62X         | 2.625" | 1.375" | 1.125" |
| TE62B         | 4.0"   | 4.0"   | 1.5"   |
| TE64X         | 2.625" | 1.375" | 1.125" |
| TE64B         | 4.0"   | 4.0"   | 1.5"   |

# Focus trims

## 3" Trims

Focus is a fixed position recessed downlight trim series available for MR-16 and MR-11 lamps. The trim is made from two precision-machined metal rings. This two ring construction makes for easy re-lamping and ideal heat dissipation. A spring tension lamp holder ensures positive lamp placement and allows the use of two optional lenses and louvers at the same time. Select either shallow or deep lamp position. Machined aluminum trims are powder coat painted white, black and metallic silver. Machined brass trims are plated chrome, matte aluminum, black nickel and polished natural brass. Consult factory for custom colors or finishes.

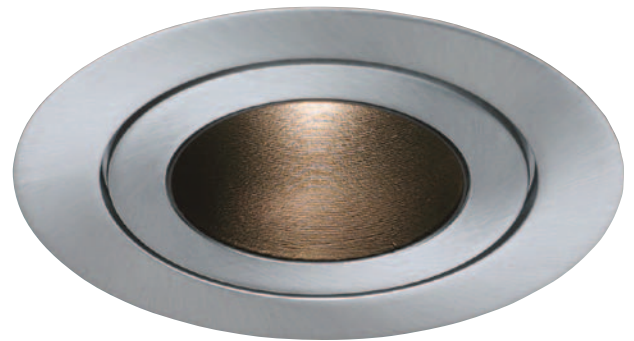
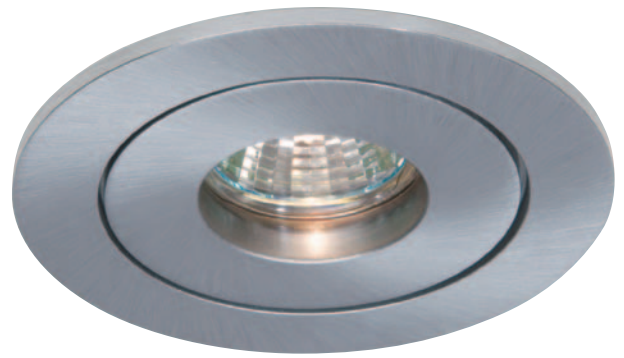
## Specifications

Fixed position center ring capable of utilizing two (2) media accessories in conjunction with one MR-16 or MR-11 lamp. Snap-in/ Pull-out center ring assembly provides convenient lamp servicing.

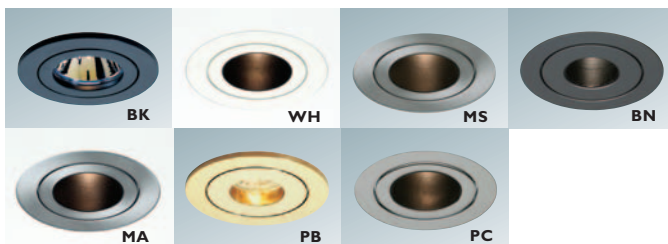
  Listed for use with Ardee Lighting A30 series low-voltage rough-in downlight housings. Suitable for use in damp locations.

**Lamp:** Enclosed MR-16 or MR-11, 12 volt, or open MR-16 or MR-11 12 volt lamp and added protective lens. MR-11 and MR-16: 35 watts maximum. MR-16 LED retrofit available.

**Rough-ins:** refer to pages 1.210 and 1.211. Order separately.



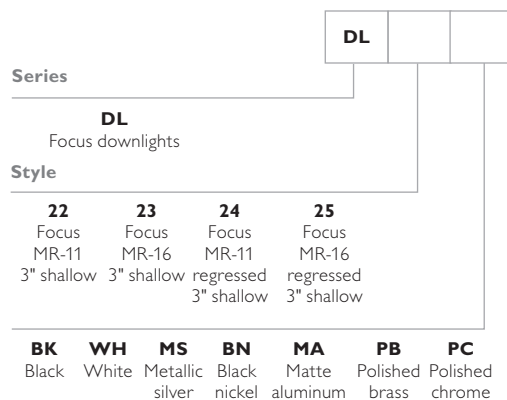
## Finishes



## Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** DL22WH





## Varianti trims




### 3" Trims

Varianti is an adjustable recessed downlight trim series available for MR-11 and MR-16 lamps. The trim is made from three precision-machined metal rings. This three ring construction makes for easy re-lamping and ideal heat dissipation. A spring tension lamp holder insures positive lamp placement and allows the use of two optional lenses and louvers at the same time. Machined aluminum trims are powder coat painted white, black and metallic silver. Machined brass trims are plated chrome, matte aluminum, black nickel and polished natural brass. Consult factory for custom colors or finishes.

### Specifications

Rotating center ring pivots 35 degrees in either direction, capable of utilizing two (2) media accessories in conjunction with one MR-11 or MR-16 lamp. Snap-in/Pull-out center ring assembly provides convenient lamp servicing.

 Listed for use with Ardee Lighting A30 (DL19) and A35 (DL21) series low-voltage rough-in downlight housings. Suitable for use in damp locations.

**Lamp:** Enclosed MR-11 or MR-16, 12 Volt, or open MR-11 or MR-16 12 volt lamp and added protective lens. MR-11: 35 watts maximum & MR-16: 50 watts maximum. MR-16 LED retrofit available.

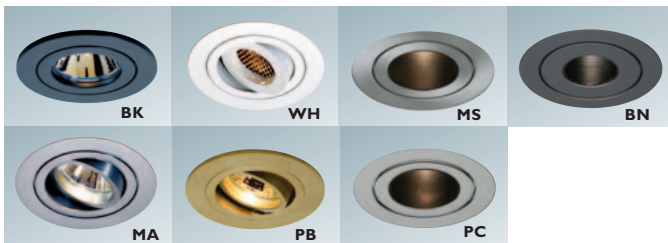
**Rough-ins:** refer to pages 1.210 and 1.211. Order separately.

### Ordering information

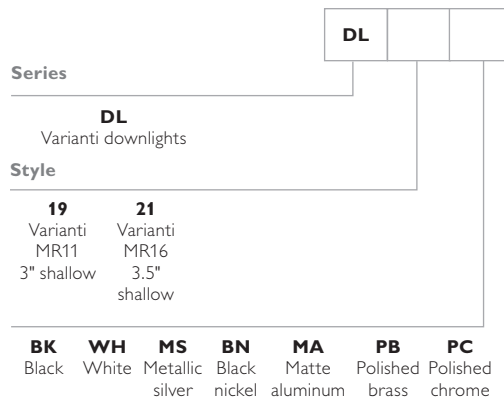
To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** DL19MS

### Finishes



### LED Options







# ModuleX M3

## Trims

ModuleX M3 miniature downlighting provides the opportunity to define a space with a variety of trim styles. Emphasize the space with simple lines using round or square trims or add a trim accessory for a decorative look.

## Features

- 3 ½" aperture Round or Square trims provide design versatility when mixing and matching optics and trim accessories.
- The choice is as simple as selecting a round or square trim style, lamp, optic, and trim accessory, all in one single product line.
- The high quality die-cast trims attach to the fixture housing with a twist-lock mounting system that provides a secure connection to housing.
- ModuleX M3 Series miniature ceramic metal halide provides up to 81% efficiency when combined with the ModuleX M3 downlight optics offered in 17° spot and 40° flood beam distributions.
- High color rendering and 3000°K Color Temperature make the ceramic metal halide lamp the ideal light source for retail, commercial, and educational projects.
- Traditional halogen sources in MR16 and Bi-Pin styles provide additional lighting solutions where warm Color Temperature or dimming is desired.
- Machine-spun reflectors and aluminum cones are designed specifically to enhance performance of halogen and metal halide lamps, maximizing efficiency and creating smooth light distribution.
- Adjustable lamp trim permits focused lighting techniques with comfort.
- Wall washer optics provide additional versatility making ModuleX M3 Series a complete family of downlight products.
- Decorative glass and functional shielding elements are offered in a variety of designs.
- Floating glass and accent glass elements are lightly frosted to create a soft glow of illumination at the ceiling plane and an efficient main beam of light passing through the center, while maintaining a high degree of efficiency.
- Flat and dome style lenses are offered in lightly frosted textures to provide smooth and wide distribution. Most trim accessories are suitable for wet locations.
- Functional elements, cross blade louver, center disk, and center cowl, are designed to provide additional lamp shielding in a choice of styles.
- The ModuleX M3-1, M3-2, M3-3, M3-6 and M3-7 Series are  Listed for use as a downlight when used with an Ardee Series A35 rough-in; M3-4, M3-5, M3-8 Series  Listed for use as a cabinet light without rough-in. M3-9 (IC rated)  Listed for use as a downlight when used with supplied rough-in. ModuleX M3 Halogen downlights (M3-1, M3-2) are  Listed for use in wet locations when provided with a lensed trim and Ardee Series A35 rough-in for ceiling mount only.



# ModuleX M3 housing

## Rough-ins

ModuleX M3 downlight trims shown in this catalog require the use of downlight rough-ins for  listed installation.

### Standard construction

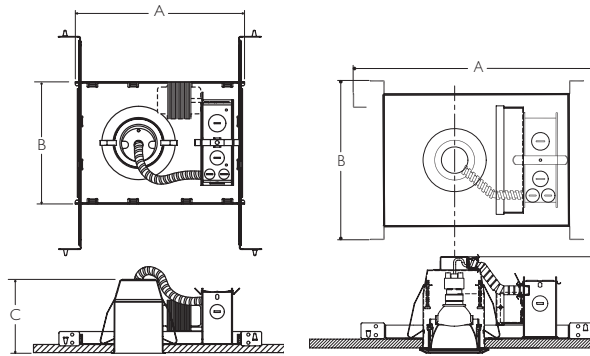


#### Low voltage

Thermally protected housing with an integral magnetic or electronic transformer to provide 12V power to the trim. Galvanized steel plaster frame, can and junction box construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. 277V, 60Hz transformer available.

#### Metal halide

Thermally protected housing with integral electronic ballast (120V, 50/60 Hz). Galvanized steel plaster frame, can and junction box die-formed galvanized steel construction. Requires above-ceiling access for installation.



| Series      | Dimensions |        |        |        |       |
|-------------|------------|--------|--------|--------|-------|
|             | A          |        | B      |        | C     |
|             | min        | max    | min    | max    |       |
| <b>A35S</b> | 10.37"     | 27"    | 7.5"   | 21"    | 5.32" |
|             | 264 mm     | 686 mm | 191 mm | 533 mm | 135mm |

### Remodel

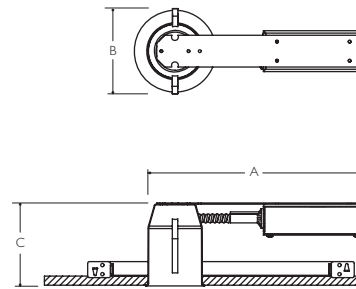


#### Low voltage

Thermally protected housing with an integral magnetic transformer to provide 12V power to the trim. Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access. Operates at 120V, 60Hz. Includes support clips. 277V, 60Hz transformer available.

#### Metal halide

Thermally protected housing with integral electronic ballast (120V, 50/60 Hz). Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access.



| Series      | Dimensions |        |       |
|-------------|------------|--------|-------|
|             | A          | B      | C     |
| <b>A35R</b> | 11.54"     | 4.95"  | 5.34" |
|             | 293 mm     | 126 mm | 136mm |

Dimensions listed above are for rough-ins using magnetic transformers. Refer to spec sheets for specific dimensions on other rough-in variations. Detailed specification sheets can be found in PDF format in the download section of the Ardee Lighting web site.

## Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** A35SMH20-120

### Ordering Code

#### Series

| <b>A35S</b>                          | <b>A35R</b>                         |
|--------------------------------------|-------------------------------------|
| 3.5" Standard Surface Mount Rough-in | 3.5" Remodel Surface Mount Rough-in |

#### Lamping

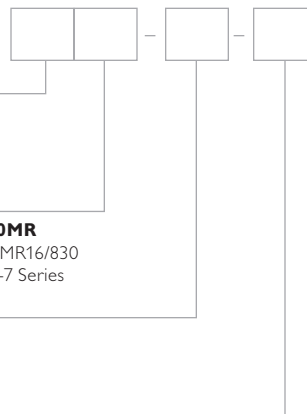
|                              |   |   |   |
|------------------------------|---|---|---|
| Leave blank for MR16 Halogen | <b>MH20</b><br>Philips CDM-TM20w/830<br>BT5 M3-3 Series | <b>MH20T4</b><br>GE CMH20T/U830 GU6.5<br>T4 M3-6 Series | <b>MH20MR</b><br>GE CMH20MR16/830<br>MR16 M3-7 Series |
|------------------------------|---|---|---|

#### Voltage

|                   |   |  |
|-------------------|---|--|
| <b>120</b> - 120v | <b>277</b> - 277v<br>(not available for MH20) | <b>12</b> - Remote<br>(not available for Metal Halide) |
|-------------------|---|--|

#### Electronic transformer option

**E**  
Electronic



# ModuleX M3 housing

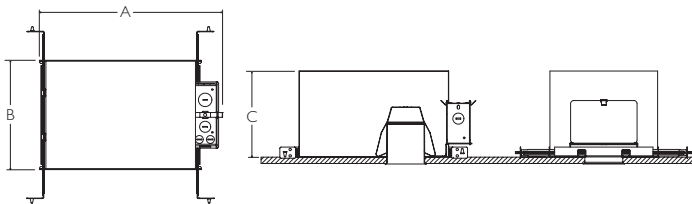
## Rough-ins

IC Rated



### Low voltage

Thermally protected housing for use in insulated ceilings. An integral magnetic transformer provides 12V power to the trim. Fully enclosed galvanized steel, shoebox-style construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars (UL listed for dry or damp locations).



| Series      | Dimensions       |                 |               |                 |
|-------------|------------------|-----------------|---------------|-----------------|
|             | A                | B               |               | C               |
|             |                  | min             | max           |                 |
| <b>A35I</b> | 14.44"<br>367 mm | 8.62"<br>219 mm | 21"<br>533 mm | 6.38"<br>173 mm |

Dimensions listed above are for rough-ins using magnetic transformers. Refer to specification sheets for specific dimensions on other rough-in variations. Detailed spec sheets can be found in PDF format in the download section of the Ardee Lighting web site.

## Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** A35I-35-120

### Ordering code

#### Series

|   |  |   |
|---|--|---|
| <b>A35I</b><br>3.5" IC-Rated<br>surface mount<br>rough-in | <b>A35AT</b><br>3.5" Air tight/IC<br>surface mount<br>rough-in | <b>A35CC</b><br>3.5" Air City<br>of Chicago<br>surface mount rough-in |
|---|--|---|

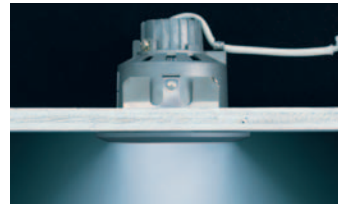
#### Wattage (maximum)

|   |  |
|---|--|
| <b>35</b><br>35w max<br>(20w max for Wall Washer) | <b>50</b><br>50w max<br>City of Chicago only |
|---|--|

#### Voltage

|                    |  |
|--------------------|--|
| <b>120</b><br>120v | <b>277</b><br>277v<br>(City of Chicago only) |
|--------------------|--|

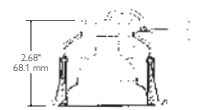
## Cabinet lighting



### Low voltage

Enclosed trim body for use with remote mounted transformers (see page 1.212). (UL listed for use in display cases, millwork, and cabinet applications. 35 watt max. Includes low voltage wiring junction box. No rough-in housing required.

### M3-4 Series cabinet lighting (MR-16 halogen)

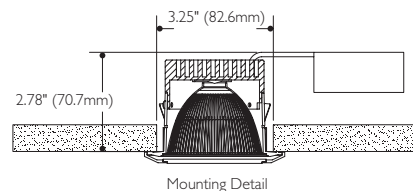


### M3-5 Series cabinet lighting (bi-pin halogen)



**M3-4 and M3-5 Series cabinet lights include miniature junction box with 1/2" knockout, supplied with enclosed trim body for connecting to Class I or Class II transformers. Order transformer separately (see page 1.212). No rough-in housing required.**

### M3-8 Series cabinet lighting (LED)



**M3-8 Series LED cabinet light includes an integral transformer.**

# ModuleX M3 halogen trims



## 4" MR16 halogen trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

**Example:** M3-102WH-RWH-03

### Ordering code

#### Series



**M3**  
ModuleX

#### Lamping

**1**

MR16 halogen

**4**

MR16 Halogen Cabinet  
35 watt max  
(accepts optic style 01 only)

#### Optic style

- |                              |                              |                                |                                   |                                     |                          |                              |  |                                       |   |
|------------------------------|------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------------|------------------------------|--|---------------------------------------|---|
| <b>01</b><br>Shallow regress | <b>02</b><br>Fixed deep cone | <b>03</b><br>Fixed deep baffle | <b>04</b><br>Adjustable deep cone | <b>05</b><br>Adjustable deep baffle | <b>06</b><br>Wall washer | <b>07</b><br>Open adjustable | <b>08</b><br>Oval Slot (Black RF only) | <b>09</b><br>Pin-Hole (Black RF only) | <b>10</b><br>Gimbal (00 RF/Round Trim only) |
|------------------------------|------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------------|------------------------------|--|---------------------------------------|---|

#### Reflector finish

- |                    |                    |                           |                     |                                   |
|--------------------|--------------------|---------------------------|---------------------|-----------------------------------|
| <b>WH</b><br>White | <b>BK</b><br>Black | <b>MC</b><br>Matte chrome | <b>CH</b><br>Chrome | <b>OO</b><br>Gimbal (self-finish) |
|--------------------|--------------------|---------------------------|---------------------|-----------------------------------|

#### Shape

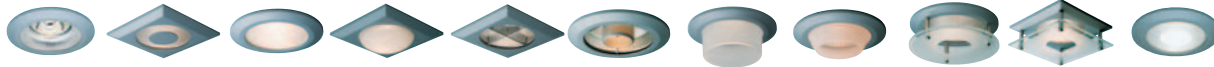
- |                   |  |
|-------------------|--|
| <b>R</b><br>Round | <b>S</b><br>Square (Gimbal accepts round only) |
|-------------------|--|

#### Finish

- |                            |                            |                                      |                                  |                            |                                   |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|
| <b>WH</b><br>White painted | <b>BK</b><br>Black painted | <b>MS</b><br>Metallic silver painted | <b>SN</b><br>Satin nickel plated | <b>CH</b><br>Chrome plated | <b>GD</b><br>Polished gold plated |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|

#### Accessory

- |                                |  |                                  |                                  |                                 |                           |                                  |                                  |  |   |   |
|--------------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|
| <b>00</b><br>Clear glass lens* | <b>01</b><br>Center disk* (fixture finish) | <b>02</b><br>Frosted glass lens* | <b>03</b><br>Frosted glass dome* | <b>04</b><br>Cross-blade louver | <b>05</b><br>Cowl (black) | <b>06</b><br>Frosted glass ring* | <b>07</b><br>Frosted glass cone* | <b>08</b><br>Round floating frosted glass* | <b>09</b><br>Square floating frosted glass* | <b>10</b><br>Clear center-frosted lens* |
|--------------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|



#### Option

**W**

\* Suitable for Wet Locations  
(not available with Accessories 04 or 05)

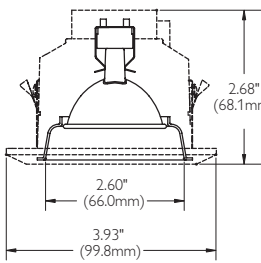


**WH BK MS SN CH GD**

# ModuleX M3 halogen trims

## 4" MR16 halogen trims

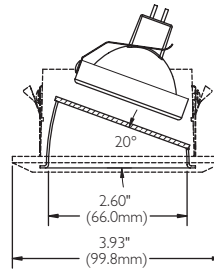
- Choose an optic style below and corresponding ordering code for creating a complete product.



01 Fixed lamp, shallow regress



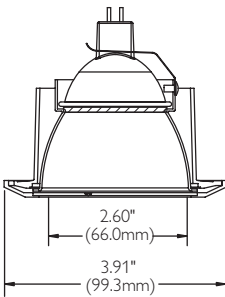
Accepts accessories 00, 01, 02, 03, 06, 07, 08, 09, 10 (does not accept 04 or 05)



06 Lens wall washer



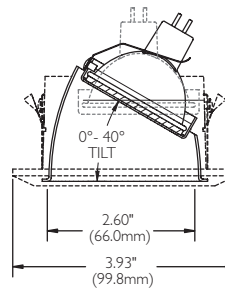
Accepts accessory 00 only



02 Fixed lamp, deep regress



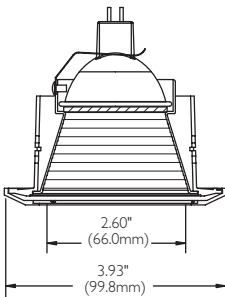
Accepts all accessories 00 through 10



07 Adjustable lamp, bias cut cone



Accepts accessory 00 only

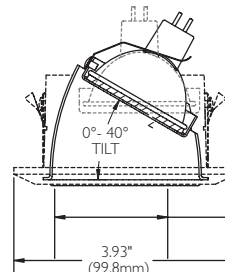


03 Fixed lamp, deep baffle

\* not offered in chrome reflector finish

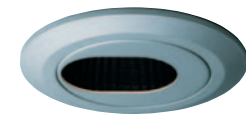


Accepts all accessories 00 through 10

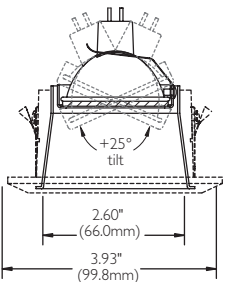


08 Oval slot, 1.4"W x 2"L

Black reflector only



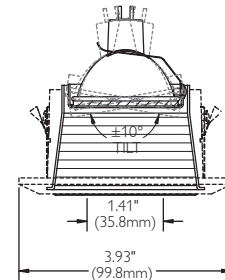
Accepts accessory 00 only



04 Adjustable lamp, deep regress

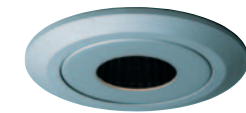


Accepts all accessories 00 through 10

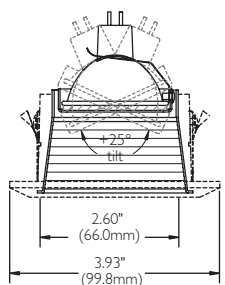


09 Pinhole, 1.4" diameter

Black reflector only



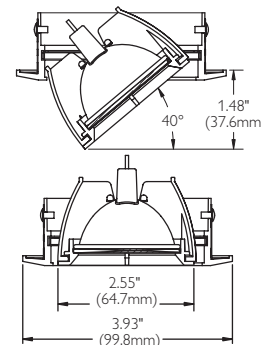
Accepts accessory 00 only



05 Adjustable lamp, deep baffle



Accepts all accessories 00 through 10

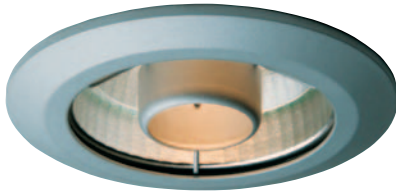


10 Gimbal (round only)



Accepts accessory 00 only

# ModuleX M3 metal halide trims



## 4" MR16 metal halide trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

**Example:** M3-703MC-SMS-06

#### Ordering code



#### Series

**M3**  
ModuleX

#### Lamping

**7**  
MR16 Metal Halide

#### Optic style

- 02** Fixed Deep Cone
- 03** Fixed Deep Baffle
- 04** Adjustable deep cone
- 05** Adjustable deep baffle
- 06** Wall washer
- 07** Open adjustable
- 08** Oval Slot (Black RF only)
- 09** Pin-Hole (Black RF only)
- 10** Gimbal (00 RF/Round Trim only)

#### Reflector finish

- WH** White
- BK** Black
- MC** Matte chrome
- CH** Chrome
- 00** Gimbal (self-finish)

#### Shape

- R** Round
- S** Square (Gimbal accepts round only)

#### Finish

- WH** White painted
- BK** Black painted
- MS** Metallic silver painted
- SN** Satin nickel plated
- CH** Chrome-plated
- GD** Polished gold plated

#### Accessory

- 00** Clear glass lens\*
  - 01** Center disk\* (fixture finish)
  - 02** Frosted glass lens\*
  - 03** Frosted glass dome\*
  - 04** Cross-blade louver
  - 05** Cowl (black)
  - 06** Frosted glass ring\*
  - 07** Frosted glass cone\*
  - 08** Round floating frosted glass\*
  - 09** Square floating frosted glass\*
  - 10** Clear center-frosted lens\*
- 

#### Option

**W**

\* Suitable for Wet Locations  
(not available with Accessories 04 or 05)

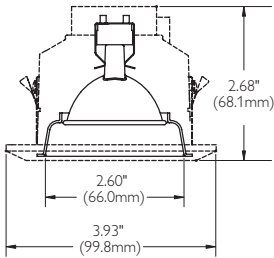


**WH BK MS SN CH GD**

# ModuleX M3 metal halide trims

## 4" MR16 metal halide trims

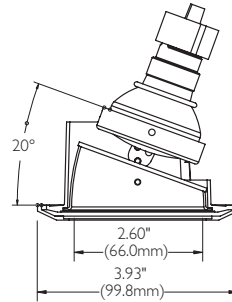
- Choose an optic style below and corresponding ordering code for creating a complete product.



02 Fixed lamp, deep regress



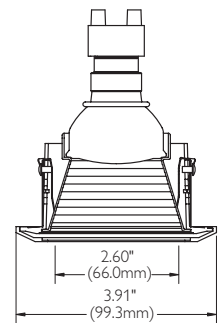
Accepts all accessories 00 through 10



06 Lens wall washer



Accepts accessory 00 only

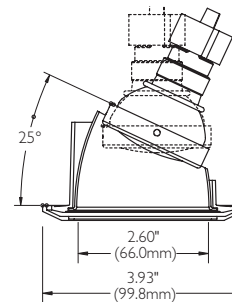


03 Fixed lamp, deep baffle

\* not offered in chrome reflector finish



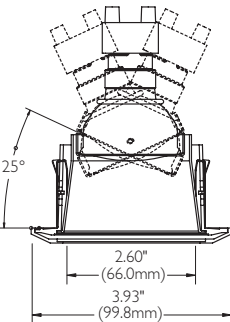
Accepts all accessories 00 through 10



07 Adjustable lamp, bias cut cone



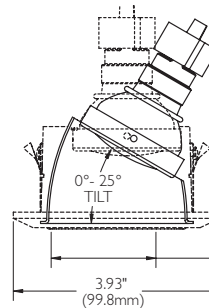
Accepts accessory 00 only



04 Adjustable lamp, deep regress



Accepts all accessories 00 through 10

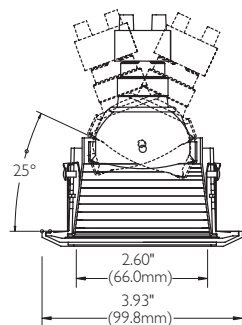


08 Oval slot, 1.4\"/>

Black reflector only



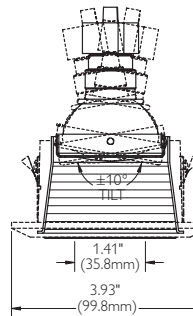
Accepts accessory 00 only



05 Adjustable lamp, deep baffle

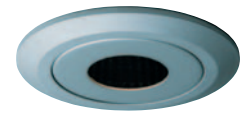


Accepts all accessories 00 through 10



09 Pinhole, 1.4\"/>

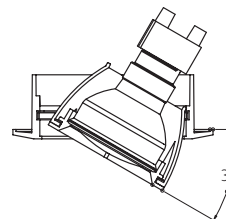
Black reflector only



Accepts accessory 00 only

**Note:** Consult factory for media options.

**Note:** Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: [www.ardeelighting.com](http://www.ardeelighting.com).



10 Gimbal



Accepts accessory 00 only



# ModuleX M3 halogen trims



## 4" Bi-pin halogen trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

**Example:** M3-221MC-RMS-07

### Ordering code

#### Series



**M3**  
ModuleX

#### Lamping

**2**

Bi-Pin Halogen  
50w Max

**5**

Bi-Pin Halogen  
35w Max  
Cabinet

#### Optic style

**21**

Fixed deep  
17° beam

**22**

Fixed deep  
40° beam

**24**

Wall washer  
with kicker

#### Reflector finish

**MC**

Matte chrome

#### Shape

**R**

Round

**S**

Square

#### Finish

**WH**

White painted

**BK**

Black painted

**MS**

Metallic silver  
painted

**SN**

Satin nickel  
plated

**CH**

Chrome-plated

**GD**

Polished gold  
plated

#### Accessory

**00**

Clear glass lens\*

**01**

Center disk\*  
(fixture finish)

**02**

Frosted glass  
lens\*

**03**

Frosted glass  
dome\*

**04**

Cross-blade  
louver

**05**

Cowl  
(black)

**06**

Frosted  
glass ring\*

**07**

Frosted  
glass cone\*

**08**

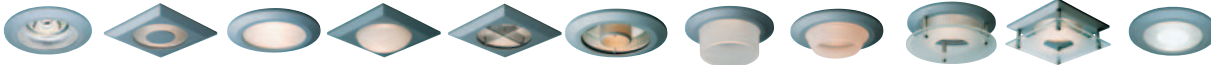
Round floating  
frosted glass\*

**09**

Square floating  
frosted glass\*

**10**

Clear  
center-frosted  
lens\*



#### Option

**W**

\* Suitable for wet locations (not available with accessories 04 or 05)  
M3.5 not available for wet location



**WH**

**BK**

**MS**

**SN**

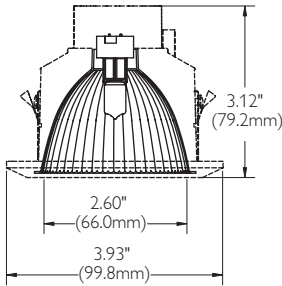
**CH**

**GD**

# ModuleX M3 halogen trims

## 4" Bi-pin halogen trims

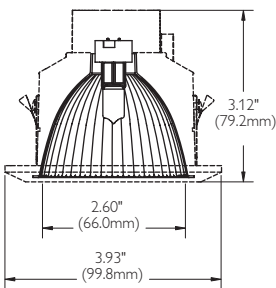
- Choose an optic style below and corresponding ordering code for creating a complete product.



21 Fixed lamp, deep regress  
17° beam



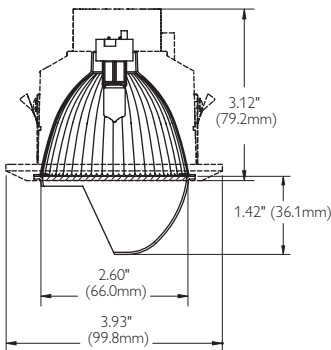
Accepts accessories 00, 02, 03, 04,  
05, 06, 07, 08, 09  
Not compatible with accessory 01.



22 Fixed lamp, deep regress  
40° beam



Accepts all accessories 00 through 10



24 Wall washer with kicker



Accepts accessory 00 only

### M3-224MC-RWH-00

50 watt GY6.35 Kicker Wall Washer

| Distance from ceiling (feet) | 2'-0" from wall: 2'-0" o.c. |                  | 3'-0" from wall: 3'-0" o.c. |                  |
|------------------------------|-----------------------------|------------------|-----------------------------|------------------|
|                              | Fixture Centerline          | Between Fixtures | Fixture Centerline          | Between Fixtures |
| 1                            | 19.1                        | 18.9             | 10.5                        | 10.1             |
| 2                            | 15.4                        | 15.2             | 9.7                         | 9.5              |
| 3                            | 14.9                        | 14.7             | 8.3                         | 8.2              |
| 4                            | 11.4                        | 11.2             | 8.3                         | 8.5              |
| 5                            | 9.2                         | 9.1              | 7.6                         | 7.6              |
| 6                            | 9.2                         | 9.0              | 6.3                         | 6.1              |
| 7                            | 10.6                        | 10.4             | 6.4                         | 6.2              |
| 8                            | 10.2                        | 10.1             | 6.4                         | 6.2              |
| 9                            | 9.0                         | 9.0              | 6.3                         | 6.1              |

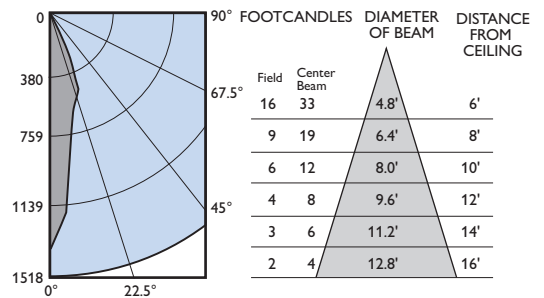
Footcandle values are based on an array of 5 fixtures, 1.0 LLF, 1.0 power factor, 80/50/20 reflectances

**Note:** Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: [www.ardeelighting.com](http://www.ardeelighting.com)

## Photometry

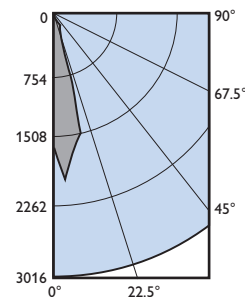
### M3-221MC-RWH-00

**Report #** 10482.IES (17°)  
**Luminaire** Recessed downlight with semi-specular reflector and clear protective glass  
**Lamp** 50T4Q/CL/AX (50W GY6.35) 950 lumens (19 lumens/watt)  
**Efficiency** 67%



### M3-224MC-RWH-00

**Report #** 10484.ies  
**Luminaire** Recessed wall washer with semi-specular upper reflector and semi-specular kicker reflector with asymmetric distribution and clear protective glass  
**Lamp** 50T4Q/CL/AX (950 lumens) 19 lumens/watt  
**Efficiency** 58%



# ModuleX M3 metal halide trims



## 4" Bi-pin metal halide trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

**Example:** M3-22IMC-RMS-07

### Ordering code

#### Series



**M3**  
ModuleX

#### Lamping

**2** Philips mini master color BT5 20w  
**5** GE Constant Color T4 20w

#### Optic Style

**21** Fixed deep 17° beam  
**22** Fixed deep 40° beam  
**24** Wall washer with kicker

#### Reflector finish

**MC**  
Matte chrome

#### Shape

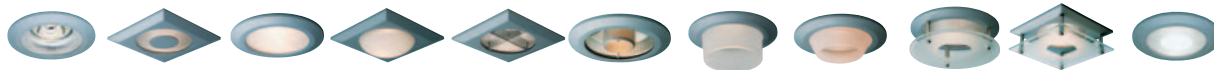
**R** Round  
**S** Square

#### Finish

**WH** White painted  
**BK** Black painted  
**MS** Metallic silver painted  
**SN** Satin nickel plated  
**CH** Chrome-plated  
**GD** Polished gold plated

#### Accessory

**00** Clear glass lens\*  
**01** Center disk\* (fixture finish)  
**02** Frosted glass lens\*  
**03** Frosted glass dome\*  
**04** Cross-blade louver  
**05** Cowl (black)  
**06** Frosted glass ring\*  
**07** Frosted glass cone\*  
**08** Round floating frosted glass\*  
**09** Square floating frosted glass\*  
**10** Clear center-frosted lens\*



#### Option

#### W

\* Suitable for wet locations (not available with accessories 04 or 05)  
M3.3 (BT5) not available for wet location

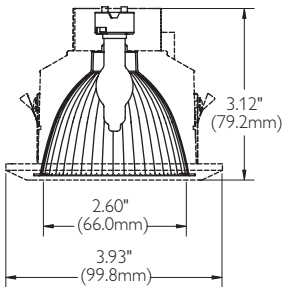


**WH** **BK** **MS** **SN** **CH** **GD**

# ModuleX M3 metal halide trims

## 4" Bi-pin metal halide trims

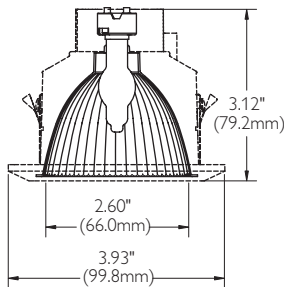
- Choose an optic style below and corresponding ordering code for creating a complete product.



21 Fixed lamp, deep regress  
17° beam



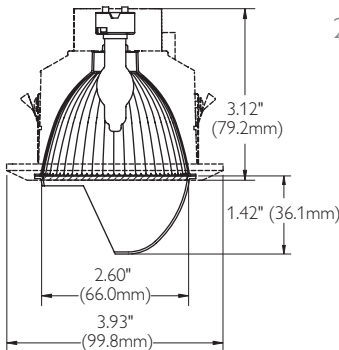
Accepts accessories 00, 02, 03, 04, 06, 07, 08, 09  
Not compatible with accessories 01, 05, 10



22 Fixed lamp, deep regress  
40° beam



Accepts all accessories 00 through 10



24 Wall washer with kicker



Accepts accessory 00 only

### M3-324MC-RWH

20 watt Metal Halide Kicker Wall Washer

| Distance from ceiling (feet) | 2'-0" from wall: 2'-0" o.c. |                  | 3'-0" from wall: 3'-0" o.c. |                  |
|------------------------------|-----------------------------|------------------|-----------------------------|------------------|
|                              | Fixture Centerline          | Between Fixtures | Fixture Centerline          | Between Fixtures |
| 1                            | 30.2                        | 28.9             | 14.4                        | 14.2             |
| 2                            | 24.3                        | 23.2             | 13.3                        | 13.0             |
| 3                            | 23.5                        | 22.6             | 11.5                        | 11.2             |
| 4                            | 17.9                        | 17.1             | 11.9                        | 10.5             |
| 5                            | 14.6                        | 13.4             | 10.3                        | 10.5             |
| 6                            | 14.5                        | 13.5             | 8.9                         | 8.4              |
| 7                            | 16.7                        | 15.9             | 8.8                         | 9.0              |
| 8                            | 16.0                        | 15.5             | 9.1                         | 8.5              |
| 9                            | 14.3                        | 13.9             | 8.9                         | 8.8              |

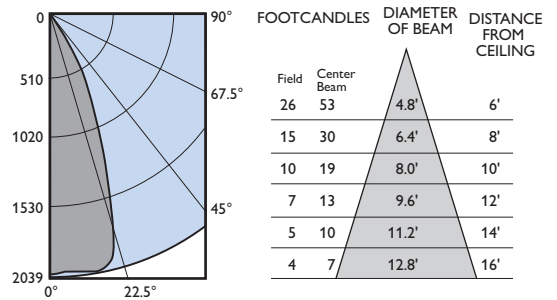
Footcandle values are based on an array of 5 fixtures, 1.0 LLF, 1.0 power factor, 80/50/20 reflectances

**Note:** Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: [www.ardeelighting.com](http://www.ardeelighting.com)

## Photometry

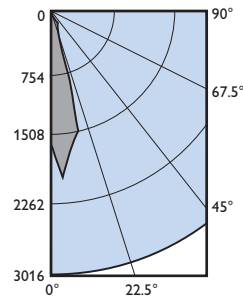
### M3-322MC-RWH-00

**Report #** 12647.IES (40°)  
**Luminaire** Recessed downlight with semi-specular reflector and clear protective glass, Advance ballast #RMH-20-E-LF  
**Lamp** CDM-TM-20W/830 (1500 lumens) 75 lumens/watt  
**Efficiency** 81%

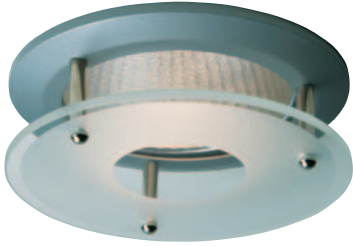


### M3-324MC-RWH-00

**Report #** 104841.ies  
**Luminaire** Recessed wall washer with semi-specular upper reflector and semi-specular kicker reflector with asymmetric distribution and clear protective glass  
**Lamp** Advance ballast #RMH-20-E-LF CDM-TM-20W/830 (1,500 lumens) 75 lumens/watt  
**Efficiency** 58%



# ModuleX M3 LED trims



## 4" LED – cabinet light trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. M3-8 is a cabinet light. No rough-in required.

**Example:** M3-832MC-RCH-03

Non-dimmable only

### Ordering code

#### Series

**M3**  
ModuleX

#### Lamping

**8**  
LED cabinet integral driver

#### Optic style

|   |  |   |   |  |   |
|---|--|---|---|--|---|
| <b>31</b><br>LED 1w<br>3000°K<br>Warm white | <b>32</b><br>LED 1w<br>3500°K<br>Neutral white | <b>33</b><br>LED 1w<br>4100°K<br>Cool white | <b>34</b><br>LED 4w<br>3000°K<br>Warm white | <b>35</b><br>LED 4w<br>3500°K<br>Neutral white | <b>36</b><br>LED 4w<br>4100°K<br>Cool white |
|---|--|---|---|--|---|

#### Reflector finish

**MC**  
Matte chrome

#### Shape

**R** Round  
**S** Square

#### Finish

|                            |                            |                                      |                                  |                            |                                   |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|
| <b>WH</b><br>White painted | <b>BK</b><br>Black painted | <b>MS</b><br>Metallic silver painted | <b>SN</b><br>Satin nickel plated | <b>CH</b><br>Chrome-plated | <b>GD</b><br>Polished gold plated |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|

#### Accessory

|                                |  |                                  |                                  |                                 |                           |                                  |                                  |  |   |   |
|--------------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|
| <b>00</b><br>Clear glass lens* | <b>01</b><br>Center disk* (fixture finish) | <b>02</b><br>Frosted glass lens* | <b>03</b><br>Frosted glass dome* | <b>04</b><br>Cross-blade louver | <b>05</b><br>Cowl (black) | <b>06</b><br>Frosted glass ring* | <b>07</b><br>Frosted glass cone* | <b>08</b><br>Round floating frosted glass* | <b>09</b><br>Square floating frosted glass* | <b>10</b><br>Clear center-frosted lens* |
|--------------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|



#### Option

**W**

\* Suitable for wet locations (not available with accessories 04 or 05)

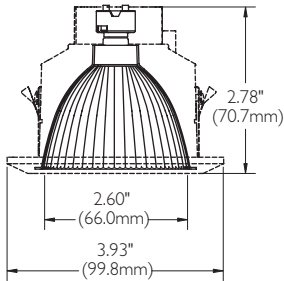


**WH BK MS SN CH GD**

# ModuleX M3 LED trims

## 4" LED – cabinet light trims

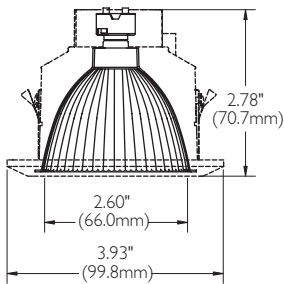
- Choose an optic style below and corresponding ordering code for creating a complete product.



31, 32, 33 Fixed lamp, deep regress  
1 watt lamp



Accepts accessory 00 only



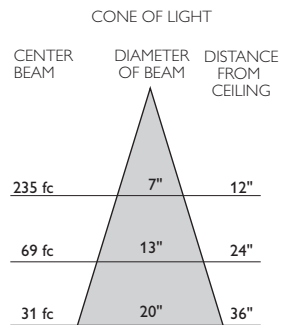
34, 35, 36 Fixed lamp, deep regress  
4 watt lamp



Accepts all accessories 00 through 10

## Photometry

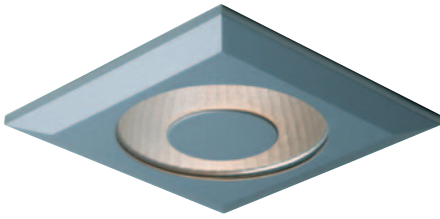
**Note:** Cone of Light values based on 4 watt LED open downlight



## GE Vio LED elements for M3-8 & M3-9

|               |        |        |
|---------------|--------|--------|
| <b>200105</b> | 1 watt | 3000°K |
| <b>200099</b> | 1 watt | 3500°K |
| <b>200101</b> | 1 watt | 4100°K |
| <b>200106</b> | 4 watt | 3000°K |
| <b>200100</b> | 4 watt | 3500°K |
| <b>200102</b> | 4 watt | 4100°K |

# ModuleX M3 LED trims



## 4" LED – recessed downlight trims

### Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. Includes rough-in.

**Example:** M3-937MC-RCH-03

### Ordering code

#### Series

**M3**  
ModuleX

#### Lamping

**9**

LED Recessed downlight  
Integral driver

#### Optic style

|   |  |   |
|---|--|---|
| <b>37</b><br>LED 7w<br>3000°K<br>Warm white | <b>38</b><br>LED 7w<br>3500°K<br>Neutral white | <b>39</b><br>LED 7w<br>4100°K<br>Cool white |
|---|--|---|

#### Reflector finish

**MC**  
Matte chrome

#### Shape

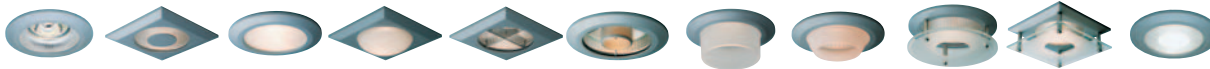
**R** Round      **S** Square

#### Finish

|                            |                            |                                      |                                  |                            |                                   |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|
| <b>WH</b><br>White painted | <b>BK</b><br>Black painted | <b>MS</b><br>Metallic silver painted | <b>SN</b><br>Satin nickel plated | <b>CH</b><br>Chrome-plated | <b>GD</b><br>Polished gold plated |
|----------------------------|----------------------------|--------------------------------------|----------------------------------|----------------------------|-----------------------------------|

#### Accessory

|                                |   |                                  |                                  |                                 |                           |                                  |                                  |  |   |   |
|--------------------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|
| <b>00</b><br>Clear glass lens* | <b>01</b><br>Center disk*<br>(fixture finish) | <b>02</b><br>Frosted glass lens* | <b>03</b><br>Frosted glass dome* | <b>04</b><br>Cross-blade louver | <b>05</b><br>Cowl (black) | <b>06</b><br>Frosted glass ring* | <b>07</b><br>Frosted glass cone* | <b>08</b><br>Round floating frosted glass* | <b>09</b><br>Square floating frosted glass* | <b>10</b><br>Clear center-frosted lens* |
|--------------------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------------------|----------------------------------|--|---|---|



#### Option

**W**

\* Suitable for wet locations (not available with accessories 04 or 05)

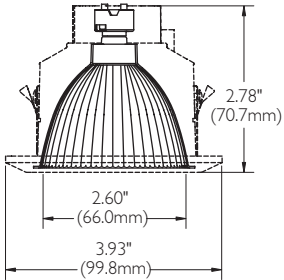


**WH**      **BK**      **MS**      **SN**      **CH**      **GD**

# ModuleX M3 LED trims

## 4" LED – recessed downlight trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



37, 38, 39 Fixed lamp, deep regress  
7 watt lamp



Accepts all accessories 00 through 10

## GE Vio LED elements for M3-8 & M3-9

|               |        |        |
|---------------|--------|--------|
| <b>200148</b> | 7 watt | 3000°K |
| <b>200149</b> | 7 watt | 3500°K |
| <b>200150</b> | 7 watt | 4100°K |



# MatreX trims

6 1/2" and 9 3/4" multi-element downlights trims



# MatreX trims

6 1/2" and 9 3/4" multi-element downlights trims

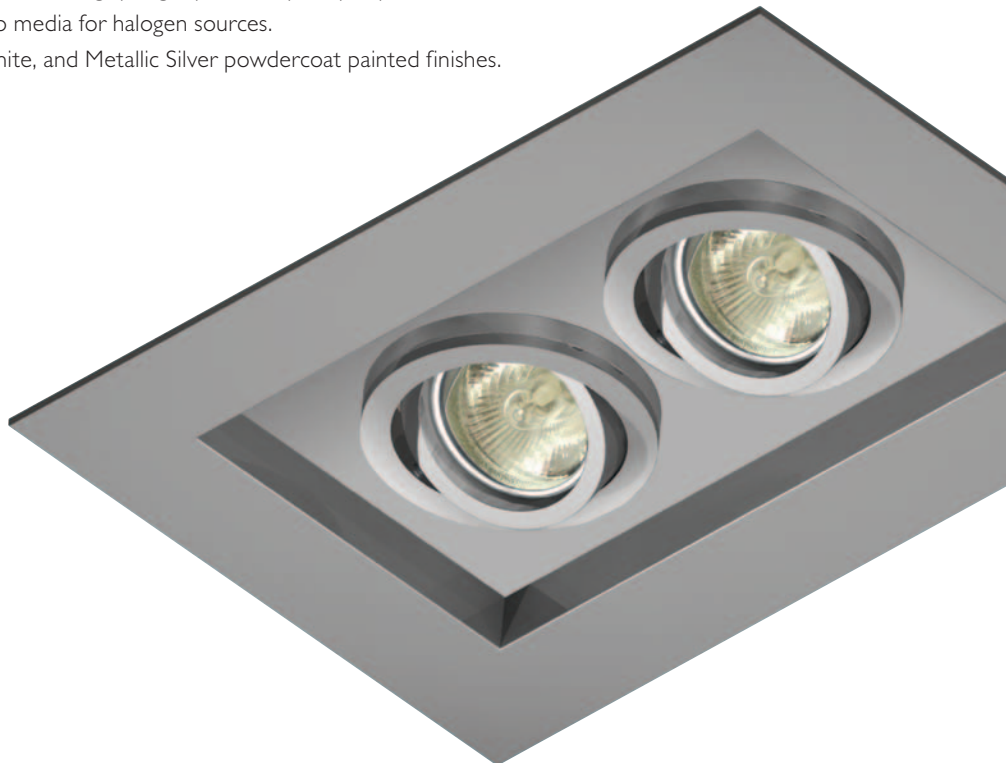


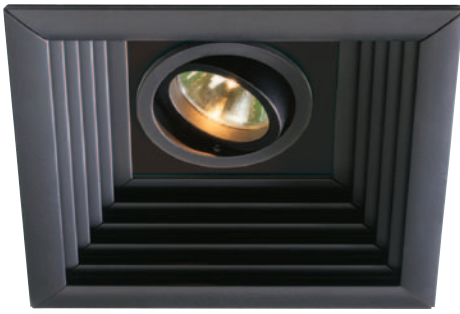
## MatreX

Adjustable multi-element low voltage MR-16 halogen recessed downlight series for commercial and residential accent and display lighting.

## Features

- A choice of stepped baffle and straight side trim styles.
- Extruded aluminum trim styles, welded for strong construction.
- Machined aluminum gimbal provides 0° - 30° adjustability and 360° rotation with snap-in / pull-out mounting spring clips for easy lamp replacement.
- Accepts up to (2) two media for halogen sources.
- Available in Black, White, and Metallic Silver powdercoat painted finishes.





# MatreX halogen trims

6 1/2" and 9 3/4" multi-element downlights trims

## Specifications

Adjustable multi-element low voltage recessed downlight.

## Trims

- Extruded aluminum frame with welded construction.
- Choice of stepped baffle and straight profile trim styles.
- Black, White, and Metallic Silver powdercoat painted finishes.
- Machined aluminum gimbal provides 0° - 30° tilt and 360° rotation.
- Accommodates up to (2) two media for halogen sources.

## Housing

- 20 gauge steel box with powdercoat painted black finish.
- Galvanized steel mounting wings with vertical adjustment for maximum adjustability. Mounting bars supplied by others.
- Galvanized steel junction box with spring clip mounting tabs for easy removal.

## Electrical

- Ceramic socket, pre-wired with high temperature wire leads, provided with housing.
- Rated for feed-thru branch circuit wiring.
- Integral electronic transformer for halogen sources, 120 volt primary, 12 volt secondary, 50/60Hz, and thermally protected.

## Lamping Options

- MR-16 halogen (50W max).

## Compliance

-  Listed for damp locations.

Consult factory for custom styles and finishes.

## Lamps and accessories

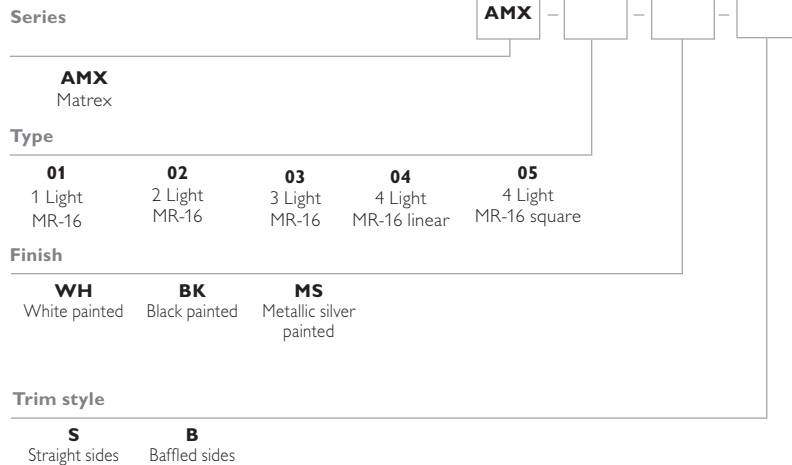
Refer to page 3.15 for optional accessories.

## Ordering information

To order a complete MatreX fixture, please specify both a trim and a rough-in part number.

**Example:** AMX-04-MS-S

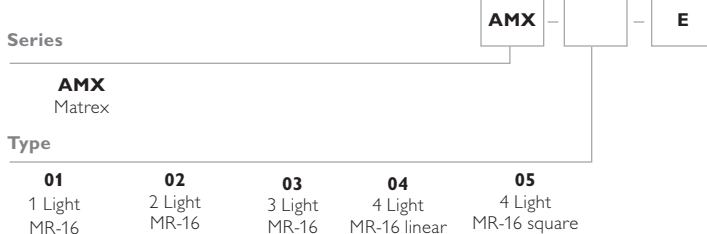
### Ordering code



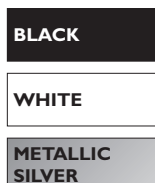
**Example:** AMX-04-E

### MatreX rough-in

### Ordering code

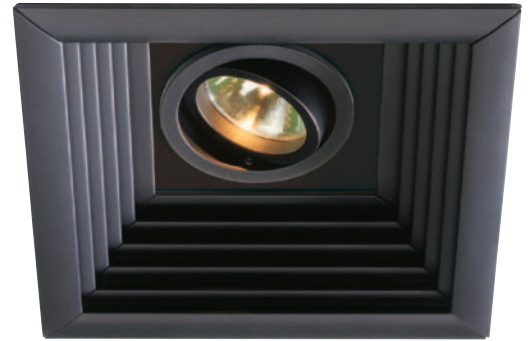
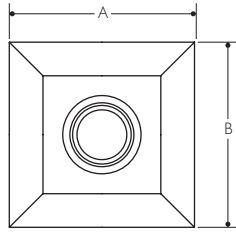
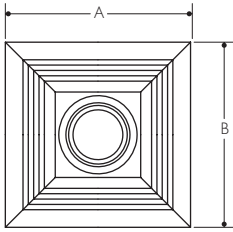


### Available colors



# MatreX halogen trims

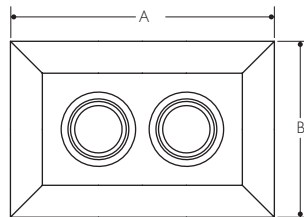
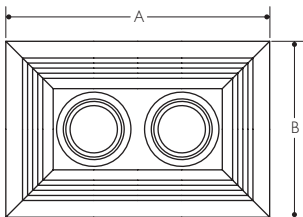
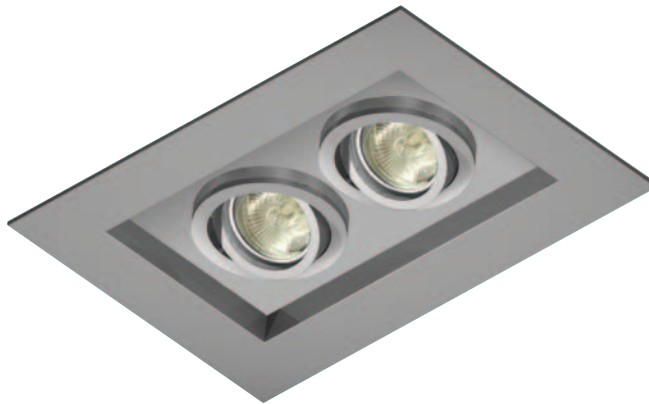
6 1/2" and 9 3/4" multi-element downlights trims



## 1-Light MatreX

| Lamp Type   | A      | B      |
|-------------|--------|--------|
| MR16halogen | 6 1/2" | 6 1/2" |

1 lamp element other elements available step baffle trim style shown



2 lamp element other elements available straight side trim style shown

## 2-Light MatreX

| Lamp Type   | A      | B      |
|-------------|--------|--------|
| MR16halogen | 9 3/4" | 6 1/2" |



# Indigo

A series of contemporary style general lighting fixtures using compact fluorescent lamps delivering high performance lighting with decorative and functional style trims. Custom options available; consult factory.

## Features

- Designed to fit in a 2' x 2' suspended ceiling grid ceiling or a drywall ceiling. The Indigo housing is adjustable to accommodate up to 1" thick ceilings.
- 21" diameter recessed dome with powdercoat painted white finish provides a soft glow of light around a choice of decorative and functional trims.
- Decorative trims are available in two frosted opal glass styles: suspended glass disk with frosted acrylic cylinder and frosted glass cone with acrylic diffusing disk.
- Functional trims are available in two spun aluminum reflectors styles: Specular or Matte Aluminum finishes provide a choice in performance with specular or painted aluminum exterior.
- Indigo is supplied with energy efficient electronic ballast and can be fitted with dimming ballast or emergency battery backup for compact fluorescent sources.
- Listed for damp locations.





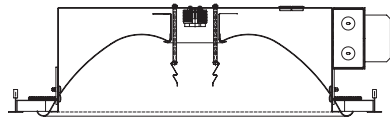
# Indigo CFL

## Compact fluorescent housing

### Features

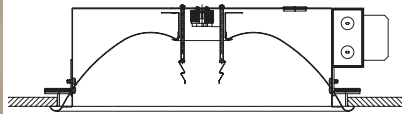
- Rough-in unit made of natural finish galvanized steel.
- Deep regressed dome-shaped secondary reflector powder coat painted white. Custom colors available, consult factory.
- Choice of two mounting styles for suspended ceiling and drywall/plaster ceiling installations.
- Electronic, HPF, Class P rated, thermally protected, and less than 10% THD.

### Rough-in assemblies



#### Suspended ceiling

Assembly plates for suspended ceilings with visible T-bars provide easy installation. The cassettes are finished in the same powder coat paint as used on the secondary reflector to give a harmonious appearance.



#### Drywall/plaster ceiling

Drywall/plaster ceiling installation is available for seamless appearance with optional ring mounting system.

### Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. A complete Indigo assembly consists of a fixture and trim combination.

**Example:** ALI-26-120-00

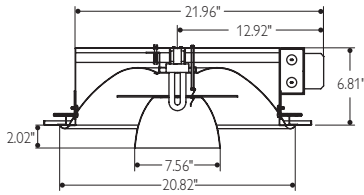
#### Ordering code

|   |                                    |
|---|------------------------------------|
| <p><b>Series</b></p> <p><b>ALI</b><br/>Indigo</p> <p><b>Wattage</b></p> <p><b>26</b><br/>26w CF</p> <p><b>32</b><br/>32w CF</p> <p><b>42</b><br/>42w CF</p> <p><b>Finish</b></p> <p><b>120</b><br/>120v</p> <p><b>277</b><br/>277v</p> <p><b>Ceiling type</b></p> <p><b>00</b><br/>Grid</p> <p><b>SR</b><br/>Sheetrock drywall</p> <p><b>Option</b></p> <p><b>E</b><br/>Emergency battery back up</p> <p><b>D</b><br/>Dimming ballast</p> | <p>ALI - [ ] - [ ] - [ ] - [ ]</p> |
|---|------------------------------------|

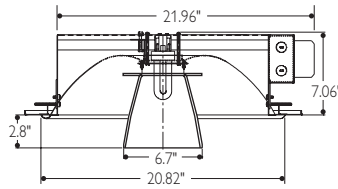
Order trims separately, page 1.237.

# Indigo CFL

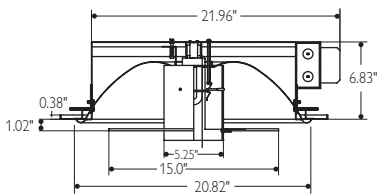
## Compact fluorescent trims



24471, 24473



24478



24475

### Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. A complete Indigo assembly consists of a fixture and trim combination.

**Example:** 24471

### Ordering code fixtures

#### Ordering code

#### Series

2447

**2447**  
Indigo trim

#### Trim Style

**1**

Functional aluminum  
Inside/outside

**3**

Functional specular in/  
aluminum out

**5**

Decorative glass plate  
glass disc

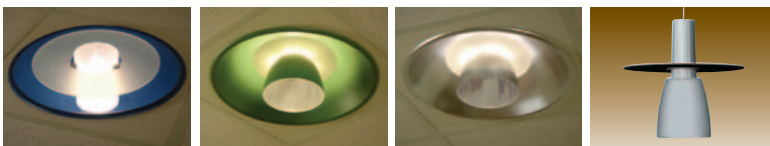
**8**

Decorative opal white  
glass cone

Order fixtures separately, page 1.236.

### Custom trims

Optional finishes, pendant mount styles and other designs are available on a custom basis. Consult factory. Custom-painted secondary reflectors add to the design themes in all applications.



24471

Aluminum reflector with painted aluminum inside and outside surfaces. An opal diffuser rests on top of reflector to eliminate glare.

24473

Aluminum reflector with specular anodized finish on the inside and painted aluminum finish on the outside. An opal diffuser rests on top of reflector to eliminate glare.

24475

Sandblasted glass plate/glass disc with cylindrical acrylic diffuser.

24478

Opal white glass cone. An opal white acrylic diffusing disc rests on top of cone to illuminate dome.

#### Decorative



24471



24473



# Hover CF

6" Downlight



# Hover CF

## 6" Downlight

Hover CF series of 6" recessed compact fluorescent downlights, designed by Hoffmeister Leuchten GmbH and engineered by Ardee Lighting to meet US building codes, combines the energy efficiency of compact fluorescent with floating reflectors and decorative trims. Available in two recessing variants: Classic, for recessing with ceiling trim ring, and Insider, for integrating in plasterboard ceilings to give a flush fit. Ideal for prestigious public areas, such as lobbies, museums and restaurants, and also for corridors and offices.

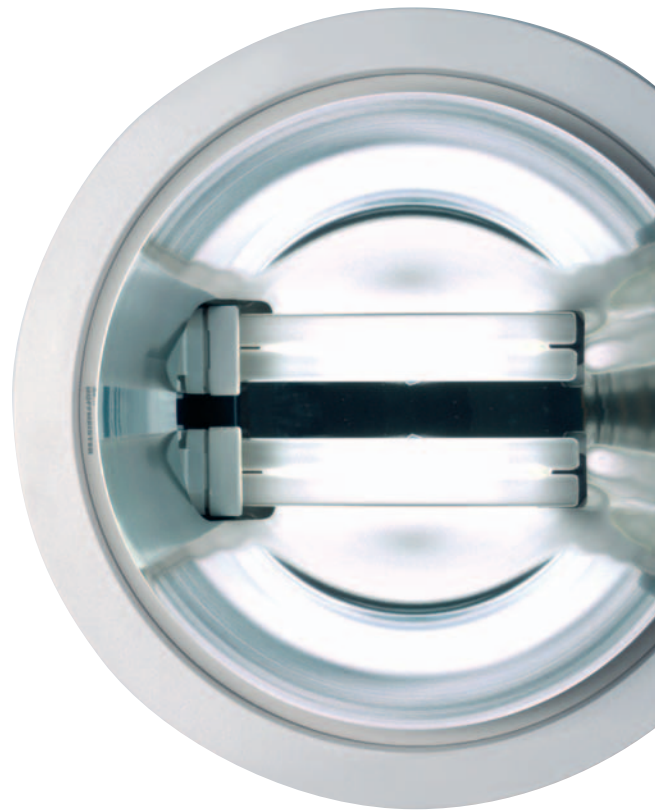
The projecting reflector edge and highly visible joint add smart highlights to the ceiling area. Brilliant luminaire technology for effective and efficient lighting means better illumination with fewer luminaires.

With their striking reflector edges, these downlights stand out, quite literally. The extraordinary strength of the reflector material underscores their exquisite design. Together with the accented joint, these lights are given a style all their own. The outer, visible part of the reflector is offered powdercoated in white or anodized in matte silver to create a harmonious overall effect.

The Insider rough-in option allows the fixture to be plastered in, making the reflector appear to hover in the air.

Hover CF trims are available in a variety of practical and decorative options. Four-cell, mirror-finish aluminum cross-louvers increase the shielding angle to 40 degrees. Diffuser disks provide variation in light distribution and approval for use in wet locations. Frosted decorative elements create soft transparency. Translucent cylinders in red, blue, green, amber and white introduce a touch of color.

Recessing to a depth of only 4.07", the shallow variant of the Hover CF rough-in series (A6R) requires relatively little space. This makes it the ideal choice in applications where space is limited.



# Hover CF

## 6" Downlight rough-ins

Rough-ins for Hover CF 6" trims are available for standard, remodel, and IC/AT rated construction applications.

### Specification

#### Wireway

5/16" x 20" aluminum flexible conduit whip with lampholder housing attached. Opposite end attached to junction box using a conduit 6-tooth connector. Uses 18 AWG wire, rated min. 90°C, solid wire or with tinned ends.

#### Rough-in frame

Standard and IC models are constructed from galvanized steel with three spring steel mounting clips that accept non-metallic trim ring. Can be used in ceilings from 1/2" to 1". Remodel frame installs from below ceiling.

#### Lampholder housing

Made of galvanized steel. Vented to allow air flow around lamp holders. Snap-in spring cups provide easy attachment to trim.

#### Junction box

Galvanized steel construction with multiple knockouts. Provided with cover plates that secure to box with spring clips. Ballast attached to inside cover plate.



#### Ballast

Intellivolt 120 to 277V 50/60Hz, electronic, programmed start, Class A sound rating. Maximum THD 10%.

#### Mounting

Supported using stamped steel hanger bars which are run through the holes in plaster frame.

#### Listing

- Standard and Remodel rough-ins are  listed damp location or wet location (see trim listing).
- IC/AT rough-ins are  listed damp or wet locations (see trim listing) and are approved for use in direct contact with insulation and meet air flow restrictions set by user.

A complete Hover CF fixture requires a trim and rough-in, ordered separately.

### Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** A6R-CD1-126

#### Ordering code

##### Series



**A6R**  
Hover CF

##### Rough-in type

|                                     |   |                                    |                                     |                                      |                                    |                                     |  |   |
|-------------------------------------|---|------------------------------------|-------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|--|---|
| <b>CD1</b><br>Classic deep standard | <b>CD2</b><br>Classic deep/IC air-tight | <b>CD3</b><br>Classic deep remodel | <b>ID1</b><br>Insider deep standard | <b>ID2</b><br>Insider deep air-tight | <b>ID3</b><br>Insider deep remodel | <b>CS1</b><br>Classic deep standard | <b>IS1</b><br>Insider shallow standard | <b>IS2</b><br>Insider shallow/IC standard |
|-------------------------------------|---|------------------------------------|-------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|--|---|

##### Number of lamps @ wattage

|   |   |                            |                            |                            |
|---|---|----------------------------|----------------------------|----------------------------|
| <b>126</b><br>1 @ 26w Triple<br>00 open trim only | <b>132</b><br>1 @ 32w Triple<br>00 open trim only | <b>213</b><br>2 @ 13w quad | <b>218</b><br>2 @ 18w quad | <b>226</b><br>2 @ 26w quad |
|---|---|----------------------------|----------------------------|----------------------------|

##### Option

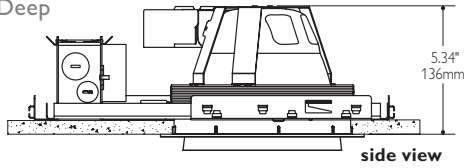
**D**  
Dimming ballast

# Hover CF

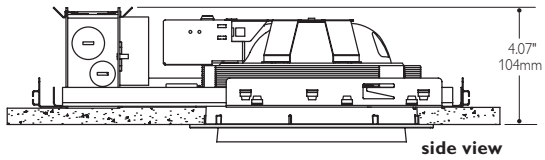
## 6" Downlight rough-ins

### A6R Series

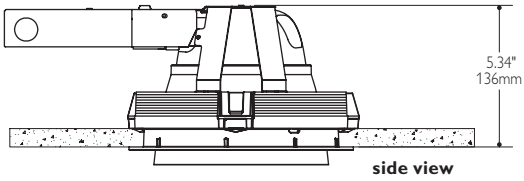
#### A6R Deep



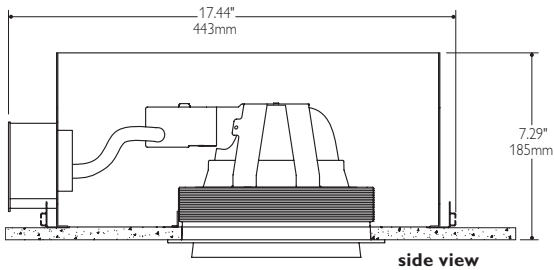
#### A6R Shallow



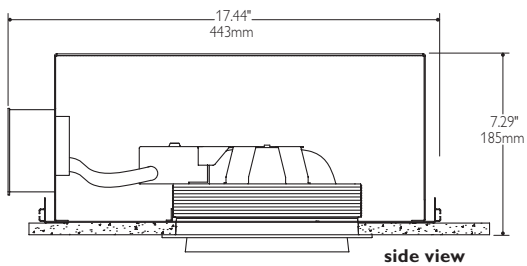
#### A6R Remodel



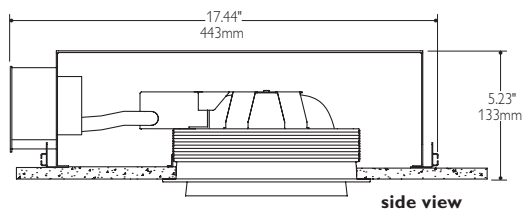
#### A6R IC/AT for deep trims



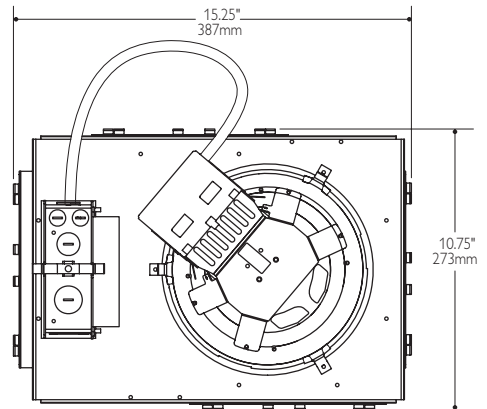
#### A6R IC/AT for shallow trims



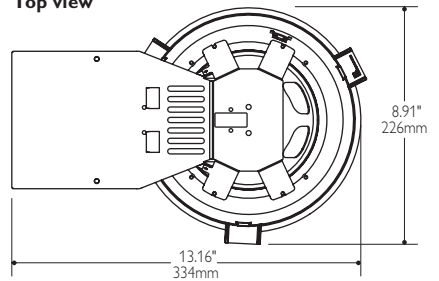
#### A6R for shallow trims



Top view

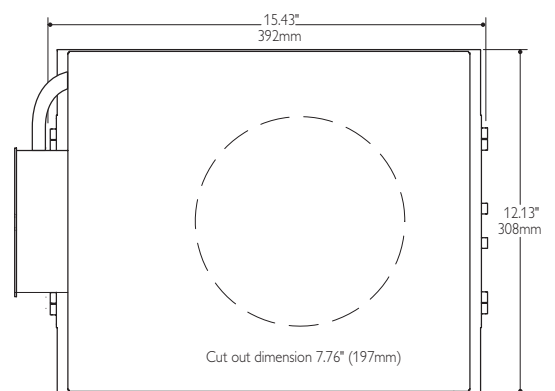


Top view



Cut out dimension 7.76" (197mm)

Top view





# Hover CF

## 6" Downlight trims

Hover CF 6" floating reflector design offers choices in open, regressed lens, cross-blade baffle, and decorative element apertures. Deep and shallow reflector profiles are available in specular or matte white finishes.

### Trim

#### Design

- Hover CF 6" trims are constructed of a die-cut galvanized steel lamp holder bracket attached to a non-metallic trim body.
- The complete trim snaps into rough-in from below the ceiling without tools and subsequently rotates to provide easy alignment of lamps.
- Installs in ceilings up to 1" thick.

#### Optics

- The white reflector consists of extra sturdy, 0.063" aluminum with powder coat painted finish RAL #9010 and with high light output ratio of up to 52% with shielding angle of 30°.
- The specular aluminum reflector consists of extra sturdy, 0.063" mirror finish anodized aluminum with a high light output ratio of up to 74% and a shielding angle of 30°.
- A four-cell mirror-finish parabolic cross-blade louver increases shielding angle to 40° (deep reflector).
- A frosted acrylic regressed diffusing lens is easily removed without tools for lamp replacement.
- Offers color and frosted decorative elements with soft transparency to provide an alternate look.

### Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

**Example:** 6R-0121-126-R

#### Ordering code

##### Series

**6R**  
Hover CF

##### Trim style

| 00             | 01             | 05   | 10                 | 11         | 12       | 13        | 14         | 15         |
|----------------|----------------|--|--------------------|------------|----------|-----------|------------|------------|
| Open reflector | Regressed lens | Cross-blade louver (deep rough-in, specular aluminum only) | Decorative element | White ring | Red ring | Blue ring | Green ring | Amber ring |

##### Rough-in type

| 1    | 2       |
|------|---------|
| Deep | Shallow |

##### Finish

| 0                 | 1     |
|-------------------|-------|
| Specular Aluminum | White |

##### Number of lamps @ wattage

| 126            | 132            | 142            | 218          | 226          |
|----------------|----------------|----------------|--------------|--------------|
| 1 @ 26w Triple | 1 @ 32w Triple | 1 @ 42w Triple | 2 @ 18w Quad | 2 @ 26w Quad |

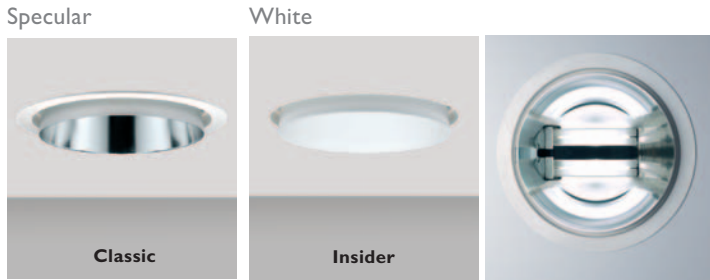
##### Option

**R**  
Remodel rough-in

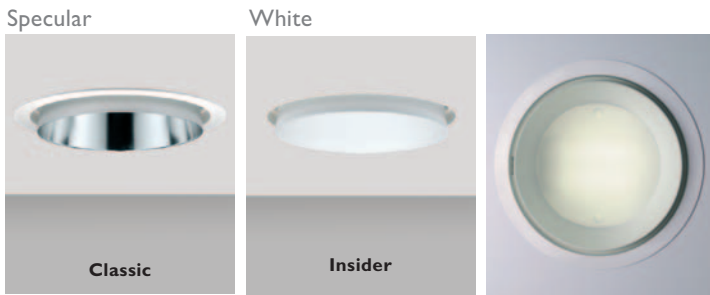


# Hover CF

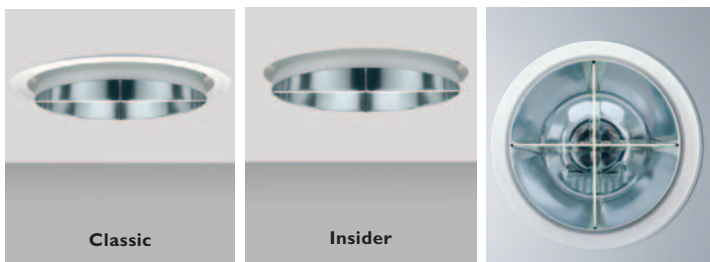
## 6" Downlight trims



- Shallow 00 trims accept:**
- 2 13W PL-C lamps
  - 2 18W PL-C lamps
  - 2 26W PL-C lamps
- Deep 00 trims accept:**
- 2 13W PL-C lamps
  - 2 18W PL-C lamps
  - 2 26W PL-C lamps
  - 1 26W PL-T lamps
  - 1 32W PL-T lamps



- All 01 trims accept:**
- 2 13W PL-C lamps
  - 2 18W PL-C lamps
  - 2 26W PL-C lamps



- All 05 trims accept:**
- 2 13W PL-C lamps
  - 2 18W PL-C lamps
  - 2 26W PL-C lamps



- All 11 through 15 trims accept:**
- 2 13W PL-C lamps
  - 2 18W PL-C lamps
  - 2 26W PL-C lamps

### 00 - Open

6" nominal open aperture optic is suspended 0.7" to create the appearance of a floating reflector. listed for damp location. The outer visible part of the specular reflector has a matte silver anodized finish. The outer part of the white reflector is painted to match the inner reflector.

### 01 - Regressed lens

6" nominal open aperture optic is suspended 0.7" to create the appearance of a floating reflector. A 1/4" thick frosted acrylic regress lens encloses lamp compartment for added safety. Lens attaches to reflector with spring loaded cam by turning lens 1/4 turn. listed for wet location. The outer visible part of the specular reflector has a matte silver anodized finish. The outer part of the white reflector is painted to match the inner reflector.

### 05 - Cross-blade baffle

6" nominal aperture with parabolic cross-blade louver is suspended 0.7" below ceiling to create a floating appearance and provides 40° shielding angle. A 1/4" thick clear acrylic lens mounted to top of louver encloses lamp compartment for added safety. Louver is attached to reflector with spring-loaded cam by turning louver 1/4 turn. listed for wet location.

Available in specular reflector and deep trim only.

### 11 through 15 - decorative ring

6" nominal aperture, 2.5" tall, and 0.33" thick, colored acrylic ring with frosted surface is suspended 0.7" below ceiling to create a floating appearance. A choice of white and four colors: blue, amber, green, and red. The acrylic ring is attached to the upper reflector with spring-loaded cam by turning acrylic ring 1/4 turn. listed for damp location.

# LytePoints

LytePoints is comprised of a complete palette of interchangeable trim choices. Each luminaire is designed to produce specific lighting effects with a unique combination of high-performance optics and aesthetics.

Whether your design calls for general lighting, ambience lighting, accent, task lighting or wall washing, LytePoints is perfectly suited to your needs.

Lytepoints allows the designer great flexibility in achieving all the beauty and drama Low Voltage lighting can deliver.

Additionally, there's no better way to create high-impact accent lighting for spaces than with low voltage halogen downlighting. By bringing out form, color and texture, low voltage lighting draws the viewer in and adds excitement to the composition.





## Contents





## Flex installation system

Introducing FLEX, LytePoints improved modular mounting system for faster, more convenient and more forgiving luminaire installations.

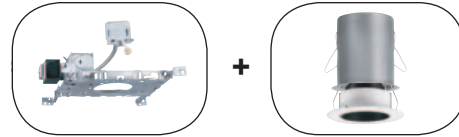
**With the FLEX system, you have the freedom to choose housing positions 0° or 90°.**

Thanks to two key slots on top of the housing, you have two ways to attach the housing to the Power Pack. When in a tight spot, remodeler housings can be installed with mounting clips parallel to joists, conduits or other obstacles, providing more room to maneuver.

### How does the FLEX system provide added flexibility for renovation projects and new constructions (IC and non-IC) using LytePoints?

- Hassle-free installations even in not-so-perfect conditions.
- No vertical housing adjustment required.
- Housing and trim are mounted after painting and plastering, ensuring a cleaner, more consistent quality finish.
- Added stability provided by “clamp-down action” of specially designed factory-installed mounting clips.
- Easier access to components after luminaire installation.

### Complete fixture



### The FLEX system features “clamp-down action” mounting clips for trouble-free installation

- **Renovations with insulated ceilings accessible from above:** Installers have no need for mounting bars and spend less time in attic, as housing mounting clips secure Frame-in Kit in position from below.
- **New constructions (IC and non-IC):** Installers can work faster because Frame-in Kit stability is not as critical as with competing brands, given that mounting clips sandwich housing and Frame-in Kit to ceiling material.

**Housing made of steel for strength, included with luminaire trim.**

**Exclusive Residence mounting clips reduce installation time and provide a superior installation.**



**Clamping power:** Residence mounting clips feature two screw guides allowing to clamp down on ceilings from 1/8" to 1" thick.



**Flange remains free of paint and plaster because housing is firmly secured to ceiling after finishing.**

**Housing does not need vertical adjustment, ensuring uniform trim positioning and consistent look.**

**Wide 3/8" integrated flange allowing more forgiving installations.**

# Low voltage luminaires

## Performance options

Look for the star rating on every LytePoints luminaire to determine quality and facilitate selection... Whether rated Good, Better, or Best, LytePoints downlights are designed to achieve the highest output possible from the available source while providing superior visual comfort and quality lighting.



## Halogen

By bringing out form, color and texture in the objects being lighted, low voltage halogen lighting draws the viewer in and adds excitement to the composition. LytePoints low voltage downlights feature MR16 lamps that provide highly focused beams that are particularly well suited for accent lighting. These low voltage sources are 50% brighter with lamp life as long as 4000 hours.

MR16 lamps offer a unique punch and sparkle which is ideal for highlighting small objects, such as artwork, glass and tableware. For added ambience, several low voltage luminaires feature decorative glass and enhance the decor by adding luminance to the ceiling line.

LytePoints low voltage downlights not only offer an extensive selection of finishes but also features a range of frame-in-kits and remodelers designed for either MR16 or ES/ESD16 sources.

There's no better way to create high-impact accent and ambience lighting for homes, retail stores and other spaces than with low voltage lighting. Lytecaster provides a wide range of attractive reflector trims to meet the needs of the most discerning eye.

# General information

## Good

Line-voltage ES16/ESD16 downlights provide suitable lighting quality; lamps are either flush with the ceiling or slightly recessed.



## Better

Quality lighting from these low-voltage MR16 downlights feature lamps that are flush with the ceiling.



## Best

These high-quality low-voltage MR16 downlights include fully recessed lamps for increased visual comfort.



## General illumination



General illumination provides overall illumination and defines a space. Good general lighting should be evenly distributed across the space and provide a glare-free light source. Available in 3 3/4", 5" and 6 3/4" sizes with Line Voltage, Low Voltage and Compact Fluorescent light sources

These include: Anodized Reflectors, Aperture Cones, Baffles, Cross Blades, Pinholes, Baffles, Sloped Ceiling.

## Wet location



Wet Location provides overall illumination in locations where the light source may come into direct contact with water. Available in 3 3/4", 5" and 6 3/4" sizes with Line Voltage, Low Voltage and Compact Fluorescent light sources.

These include: Decorative Domes, Lensed Downlights, Plastic Diffusers, Open Wet Location.

## Wall washing



Wall Washing provides a smooth, even illumination over the length and height of a wall surface. It is an ideal way to enhance the sense of spaciousness in a room. Wall washing can also be used to highlight specific areas, selected materials, or artwork. Available in 3 3/4", 5" and 6 3/4" sizes with Line Voltage and Compact Fluorescent light sources.

These include: Open Wall Wash, Step Baffle Eyelid, Basic White Eyelid.

## Accent lighting



Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces such as artwork, place settings and niche areas. It is typically achieved with adjustable downlights whose beams can be carefully aimed. Available in 3 3/4", 5" and 6 3/4" Line Voltage and Low Voltage light sources.

These include: Recessed Adjustables, Mini Swivels, Eyeballs, Elbows, Pinholes, Slots.



# Low voltage luminaires

## LytePoints downlights

The LytePoints Series is at the center of Philips Lightolier's efforts to provide elegant, installation friendly small aperture luminaires. Ranging from accent lights to shower lights to models with decorative glass, LytePoints is suitable for most residential, commercial and office lighting applications.

Classic, high-performance specular finishes.



**CL – Clear  
specular**



**BA – Black  
specular**

LytePoints low-voltage and line-voltage luminaires represent the ultimate in small aperture downlighting. They are designed to deliver superior performance, maximum versatility and fast, easy installation. A diverse selection of trims and finishes combined with universal Frame-in Kits, with magnetic or electronic transformers, offer the perfect lighting solution for virtually every application. From fully adjustable accent lights to wet location and decorative luminaires, LytePoints provides the tools to help you realize the full potential of your design.

Add flair with decorative glass options.



**FG – White  
frosted glass**

New, bold monochrome finishes for special design statements.



**AL – Aluminum  
Paint**

Choose from new shades, exciting dual-tone designs and other popular finishes.



**WH – White**



**BK – Black**



**AB – Antique  
Brass**



**CH – Chrome**



**ST – Brushed  
steel**

# Flex

## LytePoints small aperture downlights

Lytecaster introduces several new and exciting products into the extremely popular series of LytePoints small aperture downlights. These new introductions provide increased functionality and exceptional styling into one of the most versatile line of products in the industry today.



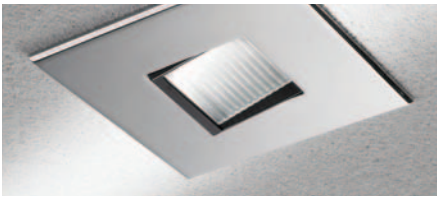
### 371 Series dropped glass

Drop glass trim enhances interior design opportunities with its visually appealing frosted glass cylinder with open center.



### 347 Series frosted glass wet location

UL listed for wet location applications, the 347 series provides up to 50 watt MR16 lamping for exceptional performance with a simple and elegant styling suitable for any application.



### 346 Series square wall washer

Asymmetric lens features ribbed, frosted tempered glass to provide a soft glow and even illumination across the vertical wall surface. Choice of chrome, steel or white. 50W max lamping .



### 341 Series square drop glass

Accent light with decorative element. Recessed lamp provides excellent shielding. Choice of chrome, steel or white. 50W max lamping.



### 343 / 344 Series square accent

Fully adjustable accent lights with black or metallic cone. Lamp rotates 358° horizontally and 35° vertically. Several finish options available. 50W max lamping . Compatible with standard round frames.



# 300X series housing

## 3 3/4" Low and line voltage remodelers

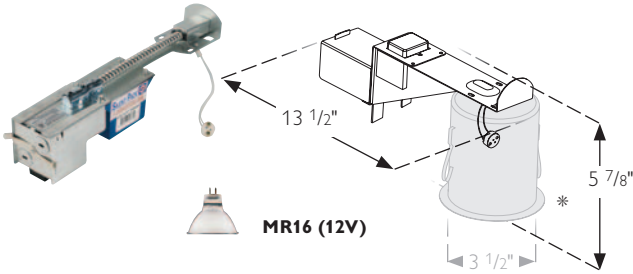
Remodel frame-in kits are designed for mounting in existing ceilings from below.

Choose from three different models based on clearance or transformer requirements.

- Low-voltage MR16 or line-voltage ES16.
- Factory-installed trim enclosure simplifies installation.
- Mounting clips provide secure mounting in ceilings from 1/8" to 1" thick, eliminating sagging trims and call-backs.
- Integral 3/8" wide flange allows more room for error when cutting opening.

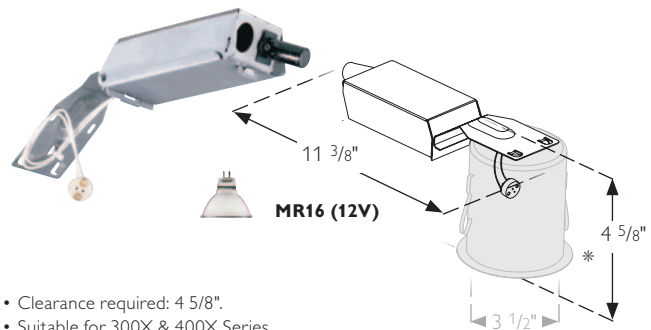


300MRSPX non-IC remodeler (12V) silent pack



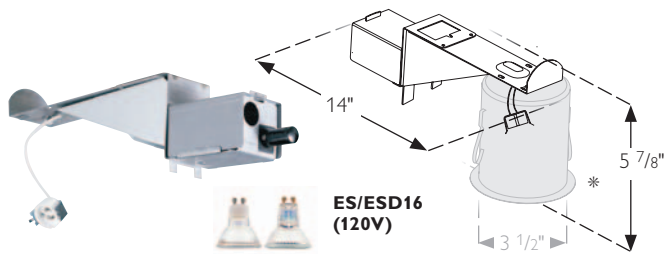
- Clearance required: 5 7/8".
- Integral 50W magnetic transformer.
- New Silent Pack design eliminates transformer noise in fixture.
- Thermally protected.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- UL/CSA certified for through branch circuit wiring.

3401MREX non-IC low-profile electronic remodeler (12V)



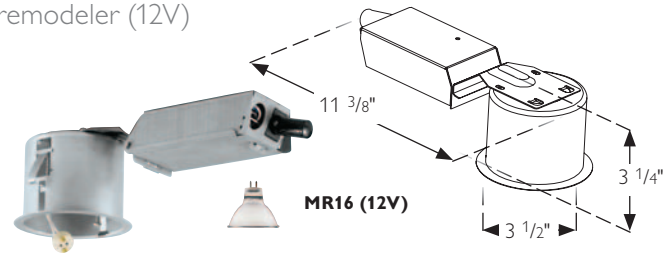
- Clearance required: 4 5/8".
- Suitable for 300X & 400X Series.
- Integral electronic transformer (50W max.).
- Thermally protected.
- Swivel junction box for low plenum spaces.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- Certified for chain wiring.

300ESX non-IC remodeler (120V)



- Clearance required: 5 7/8".
- Accepts most 3 3/4" trims.
- Power pack designed for 50W ES/ESD16 halogen lamps (no transformer).
- Thermally protected.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- UL/CSA certified for through branch circuit wiring.

303MRE non-IC ultra-shallow electronic remodeler (12V)



- Clearance required: 3 1/4".
- Integral electronic transformer (37W max.).
- Thermally protected.
- Swivel junction box for low plenum spaces.
- Suited to trims 313/315/316/317/373 and 378 only.
- Designed to permit wiring from below the ceiling line.
- Certified for chain wiring.
- Certified for wall mounting application with 378 Series Trim using a 37W MR16 lamp.



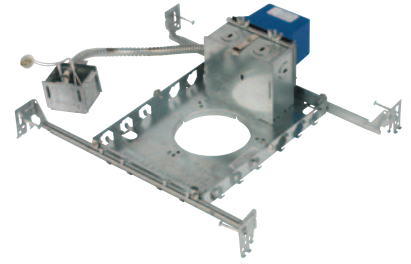
The pivot-action design of the 3401MREX and 303MRE facilitates installation in ceilings with limited plenum clearance.

# 300X series housing

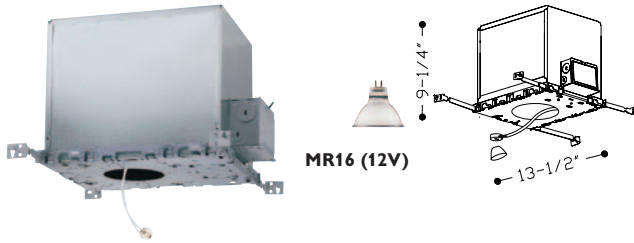
## 3 3/4" Low and line voltage frame-in kits

New construction frame-in kits are designed for mounting prior to ceiling installation.

- Low-voltage MR16 or line-voltage ES16.
- Factory-installed trim enclosure simplifies installation.
- Vertical adjustment from below to accommodate from 1/8" to 1" thick ceilings.



### 302MRIC9SPX IC frame-in kit (12V) silent pack



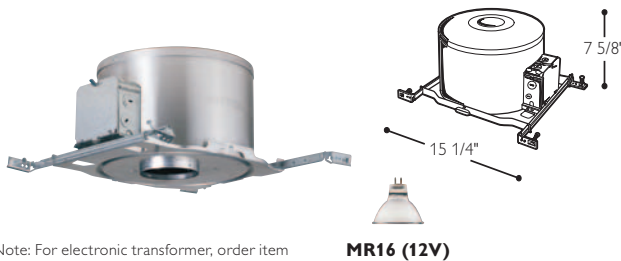
- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformer noise in fixture.
- For all 300 trim series.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.

### 302ESAICX Airseal® IC frame-in kit (120V)



- Accepts most 3 3/4" trims.
- Mounting bars pivot for easy attachment and wiring in below ceiling line. Extend to accommodate up to 24" O.C. joist spacing.
- Integral nails.
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- Mounting bar locking screw on one side of the frame-in-kit.

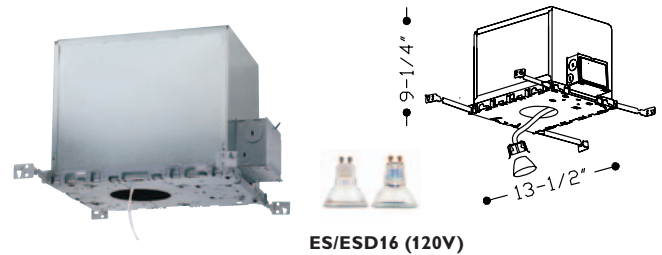
### 302MRAICSPX Airseal® IC frame-in kit (12V) silent pack



Note: For electronic transformer, order item number 302MRAICEX

- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformer noise in fixture.
- For all 300 trim series.
- Mounting bars pivot for easy attachment and wiring in below ceiling line. Extend to accommodate up to 24" O.C. joist spacing.
- Integral nails.
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- Mounting bar locking screw on one side of the frame-in-kit.

### 302ESICX IC frame-in kit (120V)



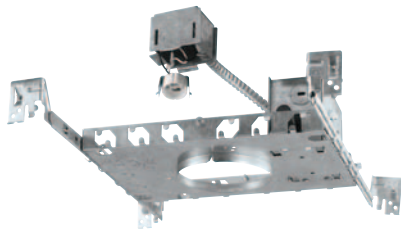
- Accepts most 3 3/4" trims.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps
- Internal thermal cut-out insures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.

# 300X series housing

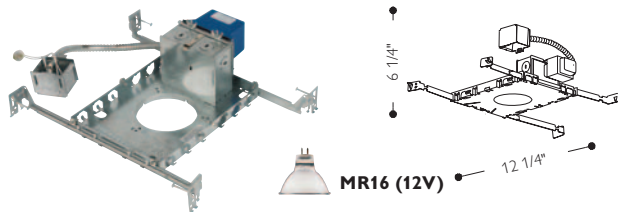
## 3 3/4" Low and line voltage frame-in kits

New construction frame-in kits are designed for mounting prior to ceiling installation.

- Available for insulated and non-insulated ceilings.
- UL listed for through-branch circuit wiring.
- Factory-installed trim enclosure simplifies installation.
- Vertical adjustment from below to accommodate from 1/8" to 1" thick ceilings.

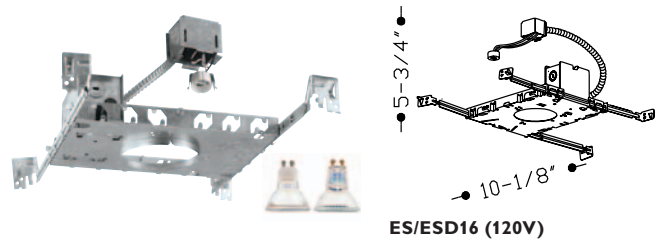


### 302MRSPX non-IC frame-in kit (12V)



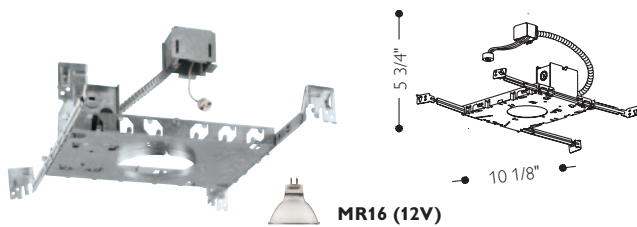
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Integral 50W magnetic transformer with built-in thermal protection.
- New Silent Pack design eliminates transformer noise in fixture.
- New mounting bar locking clips included.
- Damp or wet location rated depending on trim used.

### 302ESX non-IC frame-in kit (120V)



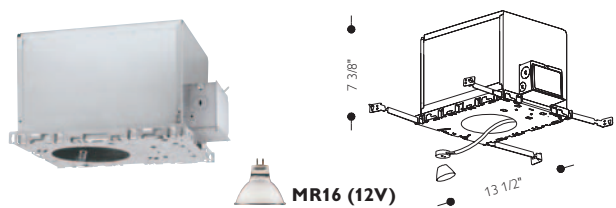
- For 305, 304 and 313 trim series only.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- New mounting bar locking clips included.

### 302MREX non-IC frame-in kit (12V)



- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Integral 50W electronic transformer with built-in thermal protection.
- New mounting bar locking clips included.
- Damp or wet location rated depending on trim used.

### 302MRIC7SPX IC frame-in kit (12V)



- Accepts most 3 3/4" trims.
- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformer noise in fixture.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.



Design installs flush every time.

# 300X series trims

## Cones/baffles trims

Open downlights provide superior performance for general lighting applications requiring greater lumen output. Specular reflectors feature a mirror-like finish that provides greater light output.

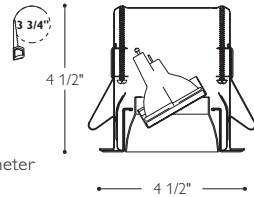


### Adjustable premium specular cone



**CL**

2 7/8" Inside diameter



- 304BAX** Specular black cone and white flange
- 304CLX** Specular clear cone and white flange
- 304CCDX** Clear diffuse cone and white flange

Accent light with Specular cone offers non-glare optics for added visual comfort. Recessed lamp rotates 360° horizontally and 35° vertically, can be aimed without removing trim. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |              |          |        | Non-IC frame-in kit |          |              |
|------------------|--------------|----------|--------|---------------------|----------|--------------|
| 300MRSPX         | 300ESX       | 3401MREX | 303MRE | 302MRSPX            | 302MREX  | 302ESX       |
| 50W MR16         | 50W ES/ESD16 | 50W MR16 | N/A    | 50W MR16            | 50W MR16 | 50W ES/ESD16 |

| IC frame-in kit |            |              | Airseal® IC frame-in kit |              |            |
|-----------------|------------|--------------|--------------------------|--------------|------------|
| 302MRC7SPX      | 302MRC9SPX | 302ESICX     | 302MRAICSPX              | 302ESAICX    | 302MRAICEX |
| 50W MR16        | 50W MR16   | 50W ES/ESD16 | 50W MR16                 | 50W ES/ESD16 | 50W MR16   |

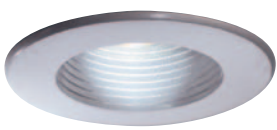


**BA**



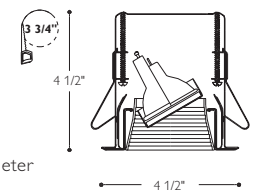
**CCD**

### Adjustable premium die-cast step baffle



**ALP**

2 7/8" Inside diameter



- 305BKX** Black step baffle and white flange
- 305ALPX** Aluminum painted step baffle and self-flange
- 305WHWX** White step baffle and self-flange

One-color luminaire features a one-piece die-cast flange and step baffle (except 305BKX). Recessed lamp rotates 360° horizontally and 35° vertically, can be aimed without removing trim. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |              |          |        | Non-IC frame-in kit |          |              |
|------------------|--------------|----------|--------|---------------------|----------|--------------|
| 300MRSPX         | 300ESX       | 3401MREX | 303MRE | 302MRSPX            | 302MREX  | 302ESX       |
| 50W MR16         | 50W ES/ESD16 | 50W MR16 | N/A    | 50W MR16            | 50W MR16 | 50W ES/ESD16 |

| IC frame-in kit |            |              | Airseal® IC frame-in kit |              |            |
|-----------------|------------|--------------|--------------------------|--------------|------------|
| 302MRC7SPX      | 302MRC9SPX | 302ESICX     | 302MRAICSPX              | 302ESAICX    | 302MRAICEX |
| 50W MR16        | 50W MR16   | 50W ES/ESD16 | 50W MR16                 | 50W ES/ESD16 | 50W MR16   |



**BK**



**WHW**





# 300X series trims

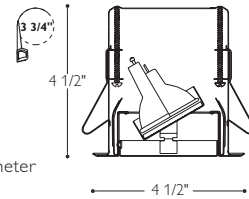
## Slot and pinhole round trims

These small aperture accent lights conceal the light source and provide the smallest available aperture with an inner matte black shield that absorbs stray light. The Pinhole provides consistent ceiling appearance while the Slot provides maximum adjustment in a small aperture fixture.

### Slot aperture



**WH** 2 7/8" Inside diameter

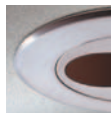


- 309STX** Stainless steel
- 309WHX** White

Small aperture accent light. Lampholder rotates 360° horizontally and 40° vertically. Inner black shield reduces glare. Thin faceplate reduces flash from lamp on edges. Accommodates all ceiling types from 1/8" to 1" thick.

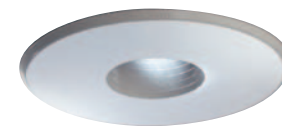
| Non-IC remodeler |               |                 |               | Non-IC frame-in kit |                |               |
|------------------|---------------|-----------------|---------------|---------------------|----------------|---------------|
| <b>300MRSPX</b>  | <b>300ESX</b> | <b>3401MREX</b> | <b>303MRE</b> | <b>302MRSPX</b>     | <b>302MREX</b> | <b>302ESX</b> |
| 50W MR16         | 50W ES/ESD16  | 42W MR16        | N/A           | 50W MR16            | 50W MR16       | 50W ES/ESD16  |

| IC frame-in kit    |                    |                 | Airseal® IC frame-in kit |                   |                  |
|--------------------|--------------------|-----------------|--------------------------|-------------------|------------------|
| <b>302MRIC7SPX</b> | <b>302MRIC9SPX</b> | <b>302ESICX</b> | <b>302MRAICSPX</b>       | <b>302MRAICEX</b> | <b>302ESAICX</b> |
| N/A                | 50W MR16           | 50W ES/ESD16    | 37W MR16                 | 37W MR16          | N/A              |

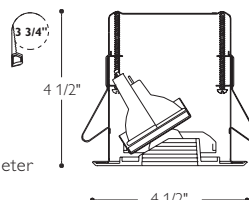


**ST**

### Adjustable pinhole



**AL** 1 5/8" Inside diameter



- 308ALX** Aluminum painted faceplate and baffle
- 308BKX** Black faceplate and baffle
- 308WWX** White faceplate and baffle

Tiny aperture accent light. Easy relamping and aiming adjustments. Accommodates all ceiling types from 1/8" to 1" thick permits up to 30° vertical and 360° horizontal

| Non-IC remodeler |               |                 |               | Non-IC frame-in kit |                |               |
|------------------|---------------|-----------------|---------------|---------------------|----------------|---------------|
| <b>300MRSPX</b>  | <b>300ESX</b> | <b>3401MREX</b> | <b>303MRE</b> | <b>302MRSPX</b>     | <b>302MREX</b> | <b>302ESX</b> |
| 50W MR16         | 50W ES/ESD16  | 42W MR16        | N/A           | 50W MR16            | 50W MR16       | 50W ES/ESD16  |

| IC frame-in kit    |                    |                 | Airseal® IC frame-in kit |                   |                  |
|--------------------|--------------------|-----------------|--------------------------|-------------------|------------------|
| <b>302MRIC7SPX</b> | <b>302MRIC9SPX</b> | <b>302ESICX</b> | <b>302MRAICSPX</b>       | <b>302MRAICEX</b> | <b>302ESAICX</b> |
| N/A                | 50W MR16           | 50W ES/ESD16    | 37W MR16                 | 37W MR16          | N/A              |



**BK**

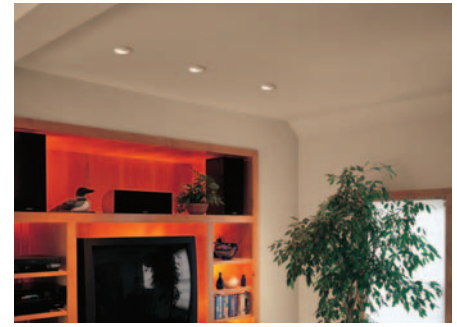


**WW**

# 300X series trims

## Recessed adjustable mini-swivel round trims

These miniature low voltage accent lights feature the versatile MR16 and ES16 light sources to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.

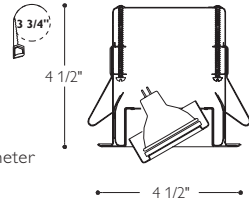


Adjustable gimbal ring



**WH**

2 3/4" Inside diameter



- 313ABX** Antique brass
- 313ALX** Aluminum paint
- 313BKX** Black
- 313STX** Stainless steel
- 313WHX** White

Lamp sits flush with the ceiling. Adjustable up to 30° for accent lighting to a vertical surface and 360° horizontally. The industry leader, offering the easiest

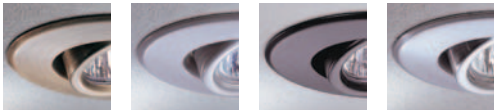
and fastest installation with rear lamping spring clips. Accommodates all ceiling types from 1/8" to 1" thick.

## Recessed adjustable mini-swivel

- Recessed adjustable provides high impact accent lighting in a variety of aperture finishes. "Hot aiming" allows the fixture to be adjusted while on.
- Elegantly-styled Mini Swivels sit flush with the ceiling.

| Non-IC remodeler |        |          |          | Non-IC frame-in kit |          |        |
|------------------|--------|----------|----------|---------------------|----------|--------|
| 300MRSPX         | 300ESX | 3401MREX | 303MRE   | 302MRSPX            | 302MREX  | 302ESX |
| 50W MR16         | N/A    | 50W MR16 | 37W MR16 | 50W MR16            | 50W MR16 | N/A    |

| IC frame-in kit |             |          | Airseal® IC frame-in kit |            |           |
|-----------------|-------------|----------|--------------------------|------------|-----------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX | 302MRAICSPX              | 302MRAICEX | 302ESAICX |
| 50W MR16        | 50W MR16    | N/A      | 50W MR16                 | 50W MR16   | N/A       |



**AB**

**AL**

**BK**

**ST**

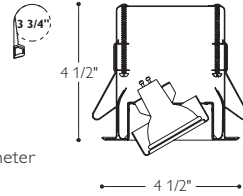


# 300X series trims

## Recessed adjustable mini-swivel round trims

These miniature low voltage accent lights feature the versatile MR16 and ES16 light sources to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.

Gimbal ES/ESD16



**330BKX** Black  
**330WHX** White

**WH** 2 3/4" Inside diameter

Pivoting Gimbal ring houses ES/ESD16 lamps close to the opening. Features front relamping. The lamp adjusts 20° vertically and 360° horizontally. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |                 |          |        | Non-IC frame-in kit |         |                 |
|------------------|-----------------|----------|--------|---------------------|---------|-----------------|
| 300MRSPX         | 300ESX          | 3401MREX | 303MRE | 302MRSPX            | 302MREX | 302ESX          |
| N/A              | 50W<br>ES/ESD16 | N/A      | N/A    | N/A                 | N/A     | 50W<br>ES/ESD16 |

| IC frame-in kit |             |                 | Airseal® IC frame-in kit |                 |
|-----------------|-------------|-----------------|--------------------------|-----------------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX        | 302MRAICSPX              | 302ESAICX       |
| N/A             | N/A         | 50W<br>ES/ESD16 | N/A                      | 50W<br>ES/ESD16 |



**BK**

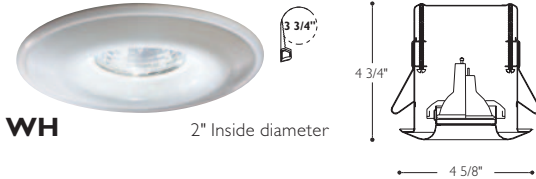
# 300X series trims

## Wall washing round trims

These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.



Contour (wet location)



**316WHX** White

Simple contoured architectural flange for unique new appearance. Specially designed for task areas and wet locations such as showers. Gasket included for shower applications, can be removed. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |              |              |                          | Non-IC frame-in kit |              |              |
|------------------|--------------|--------------|--------------------------|---------------------|--------------|--------------|
| 300MRSPX         | 300ESX       | 3401MREX     | 303MRE                   | 302MRSPX            | 302MREX      | 302ESX       |
| 50W MR16         | 50W ES/ESD16 | 50W MR16     | 37W MR16                 | 50W MR16            | 50W MR16     | 50W ES/ESD16 |
| IC frame-in kit  |              |              | Airseal® IC frame-in kit |                     |              |              |
| 302MRIC7SPX      | 302MRIC9SPX  | 302ESICX     | 302MRAICSPX              | 302MRAICEX          | 302ESAICX    |              |
| N/A              | 50W MR16     | 50W ES/ESD16 | 50W MR16                 | 50W MR16            | 50W ES/ESD16 |              |



# 300X series trims

## 4 1/2" Accent round trims

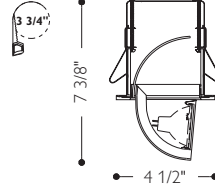
These reflectors provide high quality accent for residential and light commercial environments. Designed to provide exceptional flexibility, the elbow provides up to a 70° vertical adjustment with a 360° horizontal swivel.

### Elbow

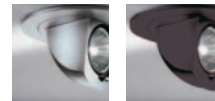


**WH**

- 378BKX** Black
- 378STX** Brushed steel
- 378WHX** White



Versatile accent light utilizing miniature low voltage MR16 lamps. Elbow adjusts up to 70° vertically and 360° horizontally for focal lighting. Retracts to provide fully recessed downlight. Accommodates all ceiling types from 1/8" to 1" thick. Certified for wall mounting application with 303 MRE using a 37W MR16 Lamp.



**ST**      **BK**

\* Certified for wall mounted applications.

| Non-IC remodeler |        |          |          | Non-IC frame-in kit |          |        |
|------------------|--------|----------|----------|---------------------|----------|--------|
| 300MRSPX         | 300ESX | 3401MREX | 303MRE*  | 302MRSPX            | 302MREX  | 302ESX |
| 50W MR16         | N/A    | 50W MR16 | 37W MR16 | 50W MR16            | 50W MR16 | N/A    |

| IC frame-in kit |             |          | Airseal® IC frame-in kit |            |           |
|-----------------|-------------|----------|--------------------------|------------|-----------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX | 302MRAICSPX              | 302MRAICEX | 302ESAICX |
| 37W MR16        | 37W MR16    | N/A      | 50W MR16                 | 50W MR16   | N/A       |

# 300X series trims

## Basic cones/baffles round trims

Cost effective elegant downlighting solution in a glare reducing baffle or elegant cone.



Basic baffle 

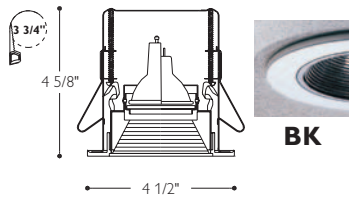


**375BKX** Black phenolic baffle and white flange  
**375WHX** White phenolic baffle and white flange

Mini-aperture downlight basic step baffle. Style-matched with other line voltage step baffles. Accommodates all ceiling types from 1/8" to 1" thick.

**WH**

3" Inside diameter



**BK**

| Non-IC remodeler |                 |             |        | Non-IC frame-in kit |             |                 |
|------------------|-----------------|-------------|--------|---------------------|-------------|-----------------|
| 300MRSPX         | 300ESX          | 3401MREX    | 303MRE | 302MRSPX            | 302MREX     | 302ESX          |
| 50W<br>MR16      | 50W<br>ES/ESD16 | 50W<br>MR16 | N/A    | 50W<br>MR16         | 50W<br>MR16 | 50W<br>ES/ESD16 |

| IC frame-in kit |             |                 | Airseal® IC frame-in kit |             |                 |
|-----------------|-------------|-----------------|--------------------------|-------------|-----------------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX        | 302MRAICSPX              | 302MRAICEX  | 302ESAICX       |
| N/A             | 50W<br>MR16 | 50W<br>ES/ESD16 | 50W<br>MR16              | 50W<br>MR16 | 50W<br>ES/ESD16 |



# 300X series trims

## Enclosed (wet location) round trims

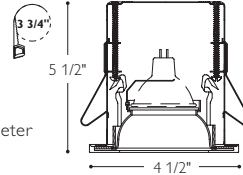
These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

Frosted glass wet location



**CM**

3 3/4" Inside diameter



**377WHX** White frosted glass and white flange

**377CHX** White frosted glass and chrome flange

UL listed for wet location applications, the 377 series provides up to 50 watt MR16 lamping for exceptional performance with a simple and elegant styling suitable for any application.

| Non-IC remodeler |        |          |        | Non-IC frame-in kit |          |        |
|------------------|--------|----------|--------|---------------------|----------|--------|
| 300MRSPX         | 300ESX | 3401MREX | 303MRE | 302MRSPX            | 302MREX  | 302ESX |
| 50W MR16         | N/A    | 50W MR16 | N/A    | 50W MR16            | 50W MR16 | N/A    |

| IC frame-in kit |             |          | Airseal® IC frame-in kit |            |           |
|-----------------|-------------|----------|--------------------------|------------|-----------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX | 302MRAICSPX              | 302MRAICEX | 302ESAICX |
| N/A             | 50W MR16    | N/A      | 50W MR16                 | 50W MR16   | N/A       |



**WH**

# 300X series trims

## Enclosed (wet location) round trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.



Shower light (wet location)



**376WHX** White frosted glass and white flange

**WH**

3 3/4" Inside diameter

4 1/2"

Simple architectural flange with glass diffuser for a new appearance. Specially designed for wet locations such as showers (gasket included). Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |        |          |        | Non-IC frame-in kit |          |        |
|------------------|--------|----------|--------|---------------------|----------|--------|
| 300MRSPX         | 300ESX | 3401MREX | 303MRE | 302MRSPX            | 302MREX  | 302ESX |
| 50W MR16         | N/A    | 50W MR16 | N/A    | 50W MR16            | 50W MR16 | N/A    |

| IC frame-in kit |             |          | Airseal® IC frame-in kit |            |           |
|-----------------|-------------|----------|--------------------------|------------|-----------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX | 302MRAICSPX              | 302MRAICEX | 302ESAICX |
| N/A             | 50W MR16    | N/A      | 50W MR16                 | 50W MR16   | N/A       |





# 300X series trims

## Basic cones/baffles round trims

Cost effective elegant downlighting solution in a glare reducing baffle or elegant cone.

### Open cone

Specular finish offers excellent performance for general downlighting.

### Baffle

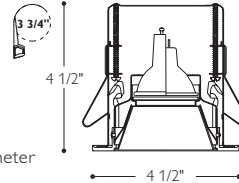
Basic baffle provides effective and economic glare control.

Basic cone 



**CH**

2 7/8" Inside diameter



**374CHX**

Chrome and white flange

Mini-aperture accent lights with basic chrome or brass cone. Recessed lamp provides excellent shielding. Accommodate all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler   |                    |                 |                          | Non-IC frame-in kit |                  |                 |
|--------------------|--------------------|-----------------|--------------------------|---------------------|------------------|-----------------|
| <b>300MRSPX</b>    | <b>300ESX</b>      | <b>3401MREX</b> | <b>303MRE</b>            | <b>302MRSPX</b>     | <b>302MREX</b>   | <b>302ESX</b>   |
| 50W<br>MR16        | 50W<br>ES/ESD16    | 50W<br>MR16     | N/A                      | 50W<br>MR16         | 50W<br>MR16      | 50W<br>ES/ESD16 |
| IC frame-in kit    |                    |                 | Airseal® IC frame-in kit |                     |                  |                 |
| <b>302MRIC7SPX</b> | <b>302MRIC9SPX</b> | <b>302ESICX</b> | <b>302MRAICSPX</b>       | <b>302MRAICEX</b>   | <b>302ESAICX</b> |                 |
| N/A                | 50W<br>MR16        | 50W<br>ES/ESD16 | 50W<br>MR16              | 50W<br>MR16         | 50W<br>ES/ESD16  |                 |

# 300X series trims

## LytePoints decorative elements round trims

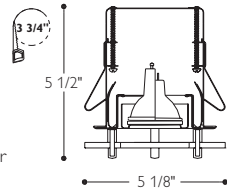
These elegant fixtures create visually expressive downlighting by combining functional illumination with decorative design. The effect is unique: the light is smooth, the light source is well hidden, and the decorative elements are elegantly scaled with beautiful detail.



### Residence disk



**FGAL** 2 1/2" Inside diameter



**317FGALX** Poly-carbonate ring and aluminum painted faceplate

Beautiful ring with open center. It has a nice impact on light by softening the outer light beam of the MR16 or the new ES/ESD16. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |              |          |          | Non-IC frame-in kit |          |              |
|------------------|--------------|----------|----------|---------------------|----------|--------------|
| 300MRSPX         | 300ESX       | 3401MREX | 303MRE   | 302MRSPX            | 302MREX  | 302ESX       |
| 50W MR16         | 50W ES/ESD16 | 50W MR16 | 37W MR16 | 50W MR16            | 50W MR16 | 50W ES/ESD16 |

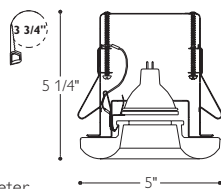
  

| IC frame-in kit |             |              | Airseal® IC frame-in kit |            |              |
|-----------------|-------------|--------------|--------------------------|------------|--------------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX     | 302MRAICSPX              | 302MRAICEX | 302ESAICX    |
| N/A             | 50W MR16    | 50W ES/ESD16 | 50W MR16                 | 50W MR16   | 50W ES/ESD16 |

### Rounded glass



**FG** 2 1/8" Inside diameter



**322FGX** White frosted glass

Miniature decorative trim. Soft diffusion for a smooth beam pattern. Choice of three decorative glass colors. Accommodates all ceiling types from 1/8" to 1" thick.

| Non-IC remodeler |        |          |        | Non-IC frame-in kit |          |        |
|------------------|--------|----------|--------|---------------------|----------|--------|
| 300MRSPX         | 300ESX | 3401MREX | 303MRE | 302MRSPX            | 302MREX  | 302ESX |
| 50W MR16         | N/A    | 50W MR16 | N/A    | 50W MR16            | 50W MR16 | N/A    |

| IC frame-in kit |             |          | Airseal® IC frame-in kit |            |           |
|-----------------|-------------|----------|--------------------------|------------|-----------|
| 302MRIC7SPX     | 302MRIC9SPX | 302ESICX | 302MRAICSPX              | 302MRAICEX | 302ESAICX |
| N/A             | 50W MR16    | N/A      | 50W MR16                 | 50W MR16   | N/A       |

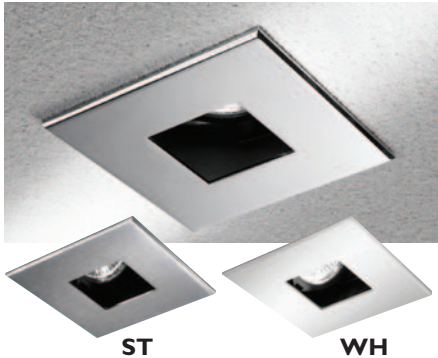
# 300X series trims

## Square trims

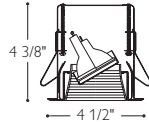
The ultimate in styling and convenience. The Lytepoint square series uses existing round frames for ease of installation while providing unique geometric designs and design options. All are designed to provide excellent optic performance, superior design and glare control.



### Square open adjustable



1 7/8" Inside diameter



**348STX**  
Brushed steel

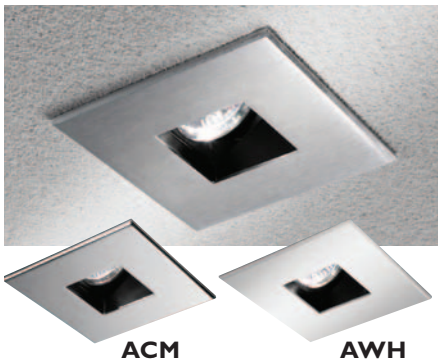
**348WHX**  
White

Recessed lamp provides low glare and visual comfort. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

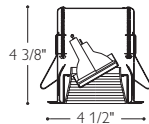
| Non-IC remodeler |             | Non-IC frame-in kit       |                           |
|------------------|-------------|---------------------------|---------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX                  | 302MREX                   |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 /<br>37W MR16 IR | 50W MR16 /<br>37W MR16 IR |

| IC frame-in kit           | Airseal® IC frame-in kit |             |
|---------------------------|--------------------------|-------------|
| 302MRIC9SPX               | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 /<br>37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

### Square premium die-cast baffle adjustable



1 7/8" Inside diameter



**344ASTX**  
Brushed steel

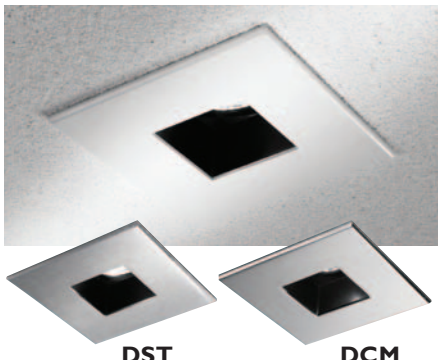
**344AWHX**  
White

Truncated die-cast baffle with black painted finish for low brightness. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

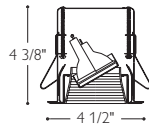
| Non-IC remodeler |             | Non-IC frame-in kit       |                           |
|------------------|-------------|---------------------------|---------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX                  | 302MREX                   |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 /<br>37W MR16 IR | 50W MR16 /<br>37W MR16 IR |

| IC frame-in kit           | Airseal® IC frame-in kit |             |
|---------------------------|--------------------------|-------------|
| 302MRIC9SPX               | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 /<br>37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

### Square premium die-cast baffle downlight



1 7/8" Inside diameter



**344DSTX**  
Brushed steel

**344DWHX**  
White

Truncated die-cast baffle with black painted finish for low brightness. Centered lamp for single-position downlighting. Accommodates all ceiling types from 1/8" to 1" thick.

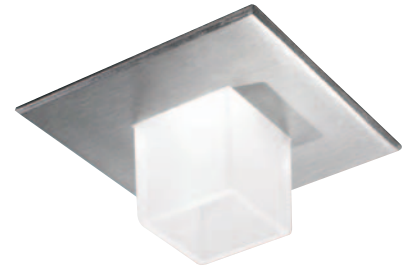
| Non-IC remodeler |             | Non-IC frame-in kit       |                           |
|------------------|-------------|---------------------------|---------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX                  | 302MREX                   |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 /<br>37W MR16 IR | 50W MR16 /<br>37W MR16 IR |

| IC frame-in kit           | Airseal® IC frame-in kit |             |
|---------------------------|--------------------------|-------------|
| 302MRIC9SPX               | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 /<br>37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

# 300X series trims

## Square trims

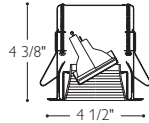
When it comes to design and functionality, nothing compares to LytePoints. Our drop glass element doesn't impede the light source so it's beautiful and performs. The lensed shower light effectively shields the lamp with a soft lens and allows installation in areas where direct contact with water may occur.



### Square cone adjustable



1 7/8" Inside diameter



**343CCDSTX**  
Comfort clear diffuse cone/Brushed steel flange

**343CCDCMX**  
Comfort clear diffuse cone/chrome flange

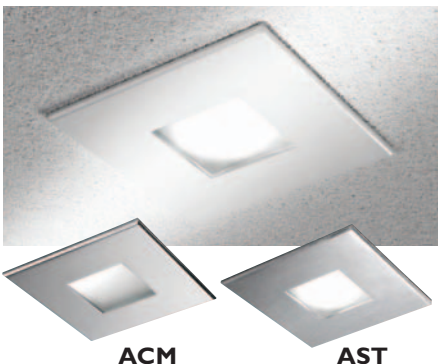
**343CCDWHX**  
Comfort clear diffuse cone/white flange

One-piece aluminum reflector and flange for uniform look. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

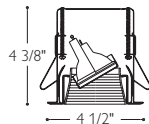
| Non-IC remodeler |             | Non-IC frame-in kit    |                        |
|------------------|-------------|------------------------|------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX               | 302MREX                |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 / 37W MR16 IR | 50W MR16 / 37W MR16 IR |

| IC frame-in kit        | Airseal® IC frame-in kit |             |
|------------------------|--------------------------|-------------|
| 302MRIC9SPX            | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 / 37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

### Square lens shower light adjustable



1 7/8" Inside diameter



**347ASTX**  
Brushed steel

**347AWHX**  
White

Double frosted glass lens provides soft diffuse light. Lamp slightly off-center enabling 0-35° vertical adjustability (includes locking device) or can be locked in downlight position with centered lamp.

| Non-IC remodeler |             | Non-IC frame-in kit    |                        |
|------------------|-------------|------------------------|------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX               | 302MREX                |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 / 37W MR16 IR | 50W MR16 / 37W MR16 IR |

| IC frame-in kit        | Airseal® IC frame-in kit |             |
|------------------------|--------------------------|-------------|
| 302MRIC9SPX            | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 / 37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

One-piece aluminum reflector and flange for uniform look. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

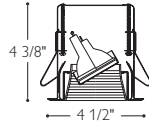
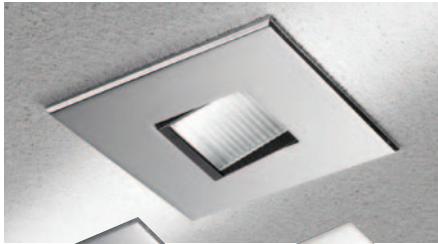
# 300X series trims

## Square trims

When it comes to design and functionality, nothing compares to LytePoints. The adjustable cone provides a stylish architectural look and performance with its anodized optics. The wall wash uses optic design to provide a specific lighting effect with minimal visual impact at the ceiling.



### Square lens wall washer



**346WSTX**  
Brushed steel

**346WWHX**  
White



**WST**

**WWH**

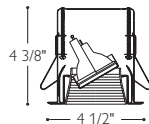
1 7/8" Inside diameter

Single-position off-center lamp provides gentle ceiling-to-floor wash of light. Asymmetric lens features ribbed, frosted tempered glass. Dropped lens holder with attractive black painted finish and white painted optic for uniform light diffusion.

| Non-IC remodeler |             | Non-IC frame-in kit       |                           |
|------------------|-------------|---------------------------|---------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX                  | 302MREX                   |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 /<br>37W MR16 IR | 50W MR16 /<br>37W MR16 IR |

| IC frame-in kit           | Airseal® IC frame-in kit |             |
|---------------------------|--------------------------|-------------|
| 302MRIC9SPX               | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 /<br>37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |

### Square drop glass



**341DSTX**  
Brushed steel

**341DWHX**  
White



**DCM**

**DWH**

1 7/8" Inside diameter

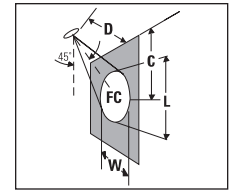
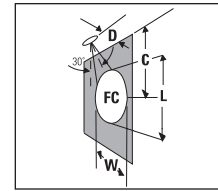
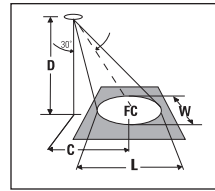
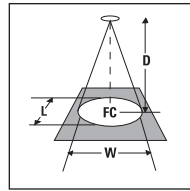
Decorative frosted glass element for soft diffuse ambient light and an interior cone with specular Alzak finish for increased performance. Centered lamp for single-position downlighting. Glass element only 1 7/8" x 1 7/8".

| Non-IC remodeler |             | Non-IC frame-in kit       |                           |
|------------------|-------------|---------------------------|---------------------------|
| 300MRSPX         | 3401MREX    | 302MRSPX                  | 302MREX                   |
| 37W MR16 IR      | 37W MR16 IR | 50W MR16 /<br>37W MR16 IR | 50W MR16 /<br>37W MR16 IR |

| IC frame-in kit           | Airseal® IC frame-in kit |             |
|---------------------------|--------------------------|-------------|
| 302MRIC9SPX               | 302MRAICSPX              | 302MRAICEX  |
| 50W MR16 /<br>37W MR16 IR | 37W MR16 IR              | 37W MR16 IR |



# Accent lighting performance data



| Lamps  | Beam spread<br>(To 50% CBCP) | CBCP   | Rated<br>life (hrs.) | 0° Aiming angle        |                       |                              |                              | 30° Aiming angle      |                              |                       |                                | 30° Aiming angle              |                      |                               |                        | 45° Aiming angle                 |                              |                       |                               |                        |                                |                              |                      |
|--|------------------------------|--------|----------------------|------------------------|-----------------------|------------------------------|------------------------------|-----------------------|------------------------------|-----------------------|--------------------------------|-------------------------------|----------------------|-------------------------------|------------------------|----------------------------------|------------------------------|-----------------------|-------------------------------|------------------------|--------------------------------|------------------------------|----------------------|
|  |                              |        |                      | D                      | FC                    | L                            | W                            | D                     | C                            | FC                    | L                              | W                             | D                    | C                             | FC                     | L                                | W                            | D                     | C                             | FC                     | L                              | W                            |                      |
| <b>MR16 Low voltage halogen bi-pin lamps</b> |                              |        |                      |                        |                       |                              |                              |                       |                              |                       |                                |                               |                      |                               |                        |                                  |                              |                       |                               |                        |                                |                              |                      |
| 20W MR16<br>VNSP (EZZ)                       | 7°                           | 8200   | 3000                 | 7'<br>10'<br>13'<br>16 | 167<br>82<br>49<br>32 | 0.9'<br>1.2'<br>1.6'<br>2.0' | 0.9'<br>1.2'<br>1.6'<br>2.0' | 6'<br>9'<br>12'<br>15 | 3.5'<br>5.2'<br>6.9'<br>8.7' | 148<br>66<br>37<br>24 | 1.0'<br>1.5'<br>2.0'<br>2.3'   | 0.8'<br>1.3'<br>1.7'<br>2.1'  | 2'<br>4'<br>5'       | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 256<br>114<br>64<br>41 | 1.0'<br>1.5'<br>2.0'<br>2.5'     | 0.5'<br>0.7'<br>1.0'<br>1.2' | 4'<br>6'<br>8'<br>10' | 4.0'<br>6.0'<br>8.0'<br>10.0' | 181<br>81<br>45<br>29  | 1.0<br>1.5<br>2.0<br>2.5       | 0.7'<br>1.0'<br>1.4'<br>1.7' |                      |
| 20W MR16<br>NSP (ESX)                        | 13°                          | 3600   | 3000                 | 6'<br>8'<br>10'<br>12  | 100<br>56<br>36<br>25 | 1.4'<br>1.8'<br>2.3'<br>2.7' | 1.4'<br>1.8'<br>2.3'<br>2.7' | 5'<br>7'<br>9'<br>11  | 2.9'<br>4.0'<br>5.2'<br>6.4' | 94<br>48<br>29<br>19  | 1.5'<br>2.1'<br>2.7'<br>3.4'   | 1.3'<br>1.8'<br>2.4'<br>2.9'  | 3'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 113<br>50<br>28<br>18  | 1.9'<br>2.8'<br>3.8'<br>4.7'     | 0.9'<br>1.4'<br>1.8'<br>2.3' | 3'<br>5'<br>7'<br>9'  | 3.0'<br>5.0'<br>7.0'<br>9.0'  | 141<br>51<br>26<br>16  | 1.4'<br>2.3'<br>3.2'<br>4.2'   | 1.0'<br>1.6'<br>2.3'<br>2.9' |                      |
| 20W MR16<br>FL (BAB)                         | 40°                          | 525    | 4000                 | 2'<br>4'<br>5'         | 131<br>58<br>33       | 1.5'<br>2.2'<br>2.9'         | 1.5'<br>2.2'<br>2.9'         | 4'<br>4'<br>5'        | 1.7'<br>1.7'<br>2.9'         | 85<br>38<br>21        | 2.0'<br>3.0'<br>4.1'           | 1.7'<br>2.5'<br>3.4'          | 1'<br>2'<br>3'       | 3.5'<br>3.5'<br>5.2'          | 66<br>16<br>7          | 4.8'<br>9.7'<br>14.5'            | 1.5'<br>2.9'<br>4.4'         | 2'<br>4'<br>5'        | 2.0'<br>3.0'<br>5.0'          | 46<br>21<br>7          | 3.4'<br>5.0'<br>8.4'           | 2.1'<br>3.1'<br>4.1'         | 2.1'<br>3.1'<br>5.1' |
| 35W MR16<br>NSP (FRB)                        | 12°                          | 8700   | 4000                 | 7'<br>10'<br>13'<br>16 | 178<br>87<br>51<br>34 | 1.5'<br>2.1'<br>2.7'<br>3.4' | 1.5'<br>2.1'<br>2.7'<br>3.4' | 6'<br>9'<br>12'<br>15 | 3.5'<br>5.2'<br>6.9'<br>8.7' | 157<br>70<br>39<br>25 | 1.7'<br>2.5'<br>3.4'<br>4.2'   | 1.5'<br>2.2'<br>2.9'<br>3.6'  | 2'<br>4'<br>5'       | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 272<br>121<br>68<br>44 | 1.7'<br>2.6'<br>3.5'<br>4.4'     | 0.8'<br>1.3'<br>1.7'<br>2.1' | 4'<br>6'<br>8'<br>10' | 4.0'<br>6.0'<br>8.0'<br>10.0' | 192<br>85<br>48<br>31  | 1.7'<br>2.6'<br>3.4'<br>4.3'   | 1.2'<br>1.8'<br>2.4'<br>3.0' |                      |
| 35W MR16<br>SP (FRA)                         | 20°                          | 3900   | 4000                 | 6'<br>8'<br>10'<br>12  | 108<br>61<br>39<br>27 | 2.1'<br>2.8'<br>3.5'<br>4.2' | 2.1'<br>2.8'<br>3.5'<br>4.2' | 5'<br>7'<br>9'<br>11  | 2.9'<br>4.0'<br>5.2'<br>6.4' | 101<br>52<br>31<br>21 | 2.4'<br>3.3'<br>4.3'<br>5.2'   | 2.0'<br>2.9'<br>3.7'<br>4.5'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 122<br>54<br>30<br>20  | 3.1'<br>4.7'<br>6.2'<br>7.8'     | 1.4'<br>2.1'<br>3.5'<br>4.5' | 3'<br>5'<br>7'<br>9'  | 3.0'<br>5.0'<br>7.0'<br>9.0'  | 153<br>55<br>28<br>17  | 2.2'<br>3.6'<br>5.1'<br>6.6'   | 1.5'<br>2.5'<br>3.5'<br>4.5' |                      |
| 35W MR16<br>FL (FMW)                         | 40°                          | 1600   | 4000                 | 4'<br>6'<br>8'<br>10'  | 100<br>44<br>25<br>16 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>4'<br>5'<br>6'  | 1.7'<br>2.9'<br>4.2'<br>5.2' | 115<br>42<br>21<br>13 | 3.0'<br>5.1'<br>7.1'<br>9.1'   | 2.5'<br>4.2'<br>5.8'<br>7.6'  | 2'<br>2'<br>3'<br>4' | 3.5'<br>3.5'<br>5.2'<br>6.9'  | 200<br>50<br>22<br>13  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' | 3'<br>4'<br>5'<br>6'  | 3.0'<br>4.0'<br>5.0'<br>6.0'  | 63<br>35<br>23<br>16   | 5.0'<br>6.7'<br>8.4'<br>10.1'  | 3.1'<br>4.1'<br>5.1'<br>6.2' |                      |
| 37W MR16<br>IR (NSP)                         | 10°                          | 11500  | 4000                 | 6'<br>12<br>16<br>20   | 180<br>80<br>45<br>29 | 1.4'<br>2.1'<br>2.8'<br>3.5' | 1.4'<br>2.1'<br>2.8'<br>3.5' | 7'<br>13<br>16<br>20  | 4.0'<br>5.8'<br>7.5'<br>9.2' | 152<br>75<br>44<br>29 | 1.6'<br>2.3'<br>3.0'<br>3.7'   | 1.4'<br>2.0'<br>2.8'<br>3.2'  | 3'<br>5'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 160<br>90<br>58<br>40  | 2.1'<br>2.9'<br>3.6'<br>4.3'     | 1.0'<br>1.4'<br>1.7'<br>2.1' | 5'<br>7'<br>9'<br>11' | 5.0'<br>7.0'<br>9.0'<br>11.0' | 163<br>83<br>50<br>34  | 1.8'<br>2.5'<br>3.2'<br>3.9'   | 1.2'<br>1.7'<br>2.2'<br>2.7' |                      |
| 37W MR16<br>IR (NFL)                         | 25°                          | 3500   | 4000                 | 6'<br>8'<br>10'<br>12  | 97<br>55<br>35<br>24  | 2.7'<br>3.5'<br>4.4'<br>5.3' | 2.7'<br>3.5'<br>4.4'<br>5.3' | 5'<br>7'<br>9'<br>11  | 2.9'<br>4.0'<br>5.2'<br>6.4' | 91<br>46<br>28<br>19  | 3.0'<br>4.2'<br>5.4'<br>6.6'   | 2.6'<br>3.6'<br>4.6'<br>5.6'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 109<br>49<br>27<br>18  | 4.2'<br>6.2'<br>8.3'<br>10.4'    | 1.8'<br>2.7'<br>3.5'<br>4.4' | 3'<br>5'<br>7'<br>9'  | 3.0'<br>5.0'<br>7.0'<br>9.0'  | 137<br>49<br>25<br>15  | 2.8'<br>4.7'<br>6.5'<br>8.4'   | 1.9'<br>3.1'<br>4.4'<br>5.6' |                      |
| 37W MR16<br>IR (FL)                          | 40°                          | 2050   | 4000                 | 4'<br>8'<br>10'<br>12  | 128<br>57<br>32<br>21 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 148<br>53<br>27<br>16 | 3.0'<br>5.1'<br>7.1'<br>9.1'   | 2.5'<br>4.2'<br>5.9'<br>7.6'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 258<br>64<br>28<br>16  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' | 3'<br>4'<br>5'<br>6'  | 3.0'<br>4.0'<br>5.0'<br>6.0'  | 61<br>45<br>29<br>20   | 5.0'<br>6.7'<br>8.4'<br>10.1'  | 3.1'<br>4.1'<br>5.1'<br>6.2' |                      |
| 42W MR16<br>VNSP (EZY)                       | 9°                           | 13,100 | 3500                 | 8'<br>12<br>16<br>20   | 205<br>91<br>51<br>33 | 1.3'<br>1.9'<br>2.5'<br>3.1' | 1.3'<br>1.9'<br>2.5'<br>3.1' | 13'<br>16<br>20       | 4.0'<br>5.8'<br>7.5'<br>9.2' | 174<br>85<br>50<br>33 | 1.5'<br>2.1'<br>2.7'<br>3.4'   | 1.3'<br>1.8'<br>2.4'<br>2.9'  | 3'<br>5'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 182<br>102<br>66<br>45 | 1.9'<br>2.6'<br>3.2'<br>3.8'     | 0.9'<br>1.3'<br>1.6'<br>1.9' | 6'<br>7'<br>9'<br>11' | 5.0'<br>7.0'<br>9.0'<br>11.0' | 185<br>95<br>57<br>38  | 1.6'<br>2.2'<br>2.8'<br>3.5'   | 1.1'<br>1.6'<br>2.0'<br>2.4' |                      |
| 42W MR16<br>NFL (EYS)                        | 27°                          | 2400   | 4000                 | 4'<br>8'<br>10'<br>12  | 150<br>67<br>38<br>24 | 1.9'<br>2.9'<br>3.8'<br>4.8' | 1.9'<br>2.9'<br>3.8'<br>4.8' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 173<br>62<br>32<br>19 | 2.0'<br>3.3'<br>4.6'<br>5.9'   | 1.7'<br>2.8'<br>3.9'<br>5.0'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 300<br>75<br>33<br>19  | 2.3'<br>4.1'<br>5.7'<br>7.3'     | 1.0'<br>1.9'<br>2.9'<br>3.6' | 3'<br>5'<br>6'<br>7'  | 3.0'<br>5.0'<br>6.0'<br>7.0'  | 94<br>53<br>34<br>24   | 3.1'<br>4.1'<br>5.1'<br>6.1'   | 2.0'<br>2.7'<br>3.4'<br>4.1' |                      |
| 50W MR16<br>NSP (Ext)                        | 14°                          | 10,200 | 4000                 | 8'<br>12<br>16<br>20   | 159<br>71<br>40<br>26 | 2.0'<br>2.9'<br>3.8'<br>4.9' | 2.0'<br>2.9'<br>3.8'<br>4.9' | 10'<br>13<br>16<br>20 | 4.0'<br>5.8'<br>7.5'<br>9.2' | 135<br>66<br>39<br>28 | 2.3'<br>3.3'<br>4.3'<br>5.3'   | 2.0'<br>2.8'<br>3.7'<br>4.5'  | 3'<br>4'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 142<br>80<br>51<br>35  | 3.1'<br>4.1'<br>5.1'<br>6.2'     | 1.5'<br>2.0'<br>2.5'<br>2.9' | 11'<br>11'            | 5.0'<br>7.0'<br>9.0'<br>11.0' | 144<br>74<br>45<br>30  | 2.5'<br>3.5'<br>4.5'<br>5.5'   | 1.7'<br>2.4'<br>3.1'<br>3.8' |                      |
| 50W MR16<br>NFL (EXZ)                        | 27°                          | 3400   | 4000                 | 6'<br>8'<br>10'<br>12  | 94<br>53<br>34<br>24  | 2.9'<br>3.8'<br>4.8'<br>5.8' | 2.9'<br>3.8'<br>4.8'<br>5.8' | 4'<br>5'<br>7'<br>9'  | 2.9'<br>4.0'<br>5.2'<br>6.4' | 88<br>45<br>27<br>18  | 3.3'<br>4.6'<br>5.9'<br>7.2'   | 2.8'<br>3.9'<br>5.0'<br>6.1'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 106<br>47<br>27<br>17  | 6.2'<br>7.0'<br>9.3'<br>11.6'    | 1.9'<br>2.9'<br>3.6'<br>4.8' | 3'<br>4'<br>5'<br>7'  | 3.0'<br>5.0'<br>7.0'<br>9.0'  | 134<br>48<br>25<br>15  | 3.1'<br>5.1'<br>7.1'<br>9.2'   | 2.0'<br>3.4'<br>4.8'<br>6.1' |                      |
| 50W MR16<br>FL (EXN)                         | 40°                          | 1850   | 4000                 | 4'<br>6'<br>8'<br>10'  | 116<br>51<br>29<br>19 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 134<br>48<br>25<br>15 | 3.0'<br>5.1'<br>7.1'<br>9.1'   | 2.5'<br>4.2'<br>5.9'<br>7.6'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 231<br>58<br>26<br>14  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' | 3'<br>4'<br>5'<br>6'  | 3.0'<br>4.0'<br>5.0'<br>6.0'  | 73<br>41<br>26<br>18   | 5.0'<br>6.7'<br>8.4'<br>10.1'  | 3.1'<br>4.1'<br>5.1'<br>6.2' |                      |
| 50W MR16<br>WFL (FNV)                        | 55°                          | 1150   | 4000                 | 3'<br>5'<br>7'<br>9'   | 128<br>46<br>23<br>14 | 3.1'<br>5.2'<br>7.3'<br>9.4' | 3.1'<br>5.2'<br>7.3'<br>9.4' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 83<br>30<br>15<br>9   | 3.6'<br>7.6'<br>10.7'<br>13.7' | 3.6'<br>6.0'<br>8.4'<br>10.8' | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 144<br>36<br>16<br>9   | 22.3'<br>44.5'<br>66.8'<br>89.1' | 2.1'<br>4.2'<br>6.2'<br>8.3' | 2'<br>3'<br>4'<br>5'  | 2.0'<br>3.0'<br>4.0'<br>5.0'  | 102<br>45<br>25<br>16  | 5.7'<br>8.6'<br>11.4'<br>14.3' | 2.9'<br>4.4'<br>5.9'<br>7.4' |                      |
| 73W MR16<br>SP                               | 10°                          | 14000  | 4000                 | 8'<br>12<br>16<br>20   | 219<br>97<br>55<br>35 | 1.4'<br>2.1'<br>2.8'<br>3.5' | 1.4'<br>2.1'<br>2.8'<br>3.5' | 7'<br>13<br>16<br>20  | 4.0'<br>5.8'<br>7.5'<br>9.2' | 186<br>91<br>54<br>36 | 1.6'<br>2.3'<br>3.0'<br>3.7'   | 1.4'<br>2.0'<br>2.8'<br>3.2'  | 3'<br>5'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 194<br>109<br>70<br>49 | 2.1'<br>2.9'<br>3.6'<br>4.3'     | 1.0'<br>1.4'<br>1.7'<br>2.1' | 9'<br>9'<br>11'       | 5.0'<br>7.0'<br>9.0'<br>11.0' | 198<br>101<br>61<br>41 | 1.8'<br>2.5'<br>3.2'<br>3.8'   | 1.2'<br>1.7'<br>2.5'<br>3.2' |                      |
| 73W MR16<br>FL                               | 36°                          | 2500   | 4000                 | 4'<br>6'<br>8'<br>10'  | 156<br>59<br>39<br>25 | 2.5'<br>3.8'<br>5.2'<br>6.5' | 2.5'<br>3.8'<br>5.2'<br>6.5' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 180<br>65<br>33<br>20 | 2.7'<br>4.5'<br>6.3'<br>8.1'   | 2.3'<br>3.8'<br>5.3'<br>6.6'  | 2'<br>3'<br>4'<br>5' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 313<br>78<br>35<br>20  | 3.3'<br>7.5'<br>11.4'<br>15.2'   | 1.3'<br>2.6'<br>3.9'<br>5.2' | 3'<br>4'<br>5'<br>6'  | 3.0'<br>4.0'<br>5.0'<br>6.0'  | 98<br>55<br>35<br>25   | 4.4'<br>5.8'<br>7.3'<br>8.8'   | 2.8'<br>3.7'<br>4.6'<br>5.5' |                      |
| 75W MR16<br>NSP (EYF)                        | 14°                          | 12,000 | 4000                 | 8'<br>12<br>16<br>20   | 188<br>83<br>47<br>30 | 2.0'<br>2.9'<br>3.9'<br>4.9' | 2.0'<br>2.9'<br>3.9'<br>4.9' | 10'<br>13<br>16<br>20 | 4.0'<br>5.8'<br>7.5'<br>9.2' | 159<br>78<br>40<br>30 | 2.3'<br>3.3'<br>4.3'<br>5.3'   | 2.0'<br>2.8'<br>3.7'<br>4.5'  | 3'<br>4'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 167<br>94<br>60<br>42  | 3.1'<br>4.1'<br>5.1'<br>6.2'     | 1.5'<br>2.0'<br>2.5'<br>2.9' | 11'<br>11'            | 5.0'<br>7.0'<br>9.0'<br>11.0' | 170<br>87<br>52<br>35  | 2.5'<br>3.5'<br>4.5'<br>5.5'   | 1.7'<br>2.4'<br>3.1'<br>3.8' |                      |
| 75W MR16<br>NFL (EYI)                        | 25°                          | 4900   | 4000                 | 6'<br>8'<br>10'<br>12  | 136<br>77<br>49<br>34 | 2.7'<br>3.5'<br>4.4'<br>5.3' | 2.7'<br>3.5'<br>4.4'<br>5.3' | 5'<br>7'<br>9'<br>11  | 2.9'<br>4.0'<br>5.2'<br>6.4' | 127<br>65<br>39<br>26 | 3.0'<br>4.2'<br>5.4'<br>6.6'   | 2.6'<br>3.6'<br>4.6'<br>5.6'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 153<br>68<br>38<br>25  | 4.2'<br>6.2'<br>8.3'<br>10.4'    | 1.8'<br>2.7'<br>3.5'<br>4.4' | 3'<br>5'<br>7'<br>9'  | 3.0'<br>5.0'<br>7.0'<br>9.0'  | 192<br>69<br>35<br>21  | 2.8'<br>4.7'<br>6.5'<br>8.4'   | 1.9'<br>3.1'<br>4.4'<br>5.6' |                      |
| 75W MR16<br>FL (EYC)                         | 42°                          | 2100   | 4000                 | 4'<br>6'<br>8'<br>10'  | 131<br>58<br>33<br>21 | 3.1'<br>4.6'<br>6.1'<br>7.7' | 3.1'<br>4.6'<br>6.1'<br>7.7' | 3'<br>5'<br>7'<br>9'  | 1.7'<br>2.9'<br>4.0'<br>5.2' | 152<br>55<br>28<br>17 | 3.2'<br>5.4'<br>7.5'<br>9.7'   | 2.7'<br>4.4'<br>6.2'<br>8.0'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 263<br>66<br>29<br>16  | 5.5'<br>11.0'<br>16.5'<br>22.0'  | 1.5'<br>3.1'<br>4.6'<br>6.1' | 3'<br>4'<br>5'<br>6'  | 3.0'<br>4.0'<br>5.0'<br>6.0'  | 62<br>46<br>30<br>21   | 5.4'<br>7.2'<br>9.0'<br>10.8'  | 3.3'<br>4.3'<br>5.4'<br>6.5' |                      |

(FC) is initial footcandles at center of beam. Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of center beam candlepower. CBCP is center beam candlepower. (C) is distance to the center of the beam. Lamp data shown is typical and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.

# Accessories

## Mounting bars



**1964** 20" mounting bar extenders. Set of 2. Compatible with 302 Series and 402 Series Frame-in Kits. Excludes: 302ESAICX 302MRAICX

## T-bar ceiling clips



**1956** All standard frame-in kit mounting bars have an integral T-bar tab. This accessory is to be used with 20" mounting bars, item 1964. Set of 4.

## MR16 specialty filters and louvers

| Description | Catalog number |
|-------------|----------------|
|-------------|----------------|

|                          |              |
|--------------------------|--------------|
| <b>Diffusion:</b>        |              |
| Symmetric 55 degree      | <b>AF2SY</b> |
| Asymmetric 5 x 55 degree | <b>AF2AS</b> |
| Perimeter Frost          | <b>AF2PF</b> |
| Soft Focus               | <b>AF2SF</b> |

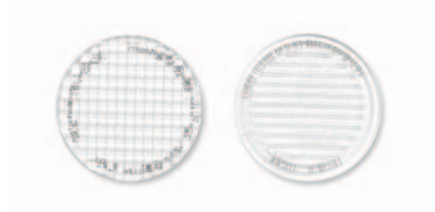
|                       |              |
|-----------------------|--------------|
| <b>Specialty:</b>     |              |
| Ultraviolet Reduction | <b>AF2UV</b> |
| Infrared Reduction    | <b>AF2IR</b> |

## ES16 lamp



**56946** 120V 50W 25 degree NFL, 2000 hours average life, same size as a 12V MR16 Lamp. "W" shaped vibration resistant filament. Turn and lock base allows front relamping with certain trims. Can be dimmed with standard Line Voltage dimmers. Integral cover glass for added safety.

## Spread lens & beam elongator



**Spread Lens**  
**0088SY** Symmetric prismatic spread lens. Compatible with 378X and 478X Elbow series.

## Thick ceiling adapter



**300XTC** Allows installation of LytePoints 300 Series trims in ceilings up to 2 3/4" thick.





Philips Lightolier standard downlighting products cover a wide variety of affordable downlight systems addressing a full range of applications and installation requirements.

## Contents

|                                    |   |       |
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| Lytening compact fluorescent       | > | 1.317 |
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| Lytecaster Lytegems                | > | 1.333 |
| Lytecaster accessories             | > | 1.334 |

# Lytecaster housing retrofit Kit for LED conversion

## Frame-in kits

Philips Lightolier embraces recent advances in technology to provide the latest in Energy Smart lighting. The advances in Light Emitting Diode (LED) technology allow Philips Lightolier to provide superior energy savings while maintaining the same level of quality lighting in the space. Our fixtures don't just utilize the most efficient light sources, they are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations.

## LED Retrofit / remodeler

Lytecaster's unmatched selection, performance and flexibility make it the first choice for the most demanding residential and light commercial lighting applications. Lytecaster LED Retrofit and Remodeler provide the following benefits:

- Provide over 900 fixture lumens, equal to a 75w incandescent lamp
- Use up to 70% of the energy of comparable incandescent sources
- Tool-free installation
- Available in a 5" and 6 3/4" version
- Dimming versions compatible with most incandescent style dimmers

## 5" / 6 3/4" LED retrofit non-IC



LED Retrofit All testing conducted in accordance with IESNA LM79 and LM80 standards.

| Catalog no..  | Ceiling                 | Color Temp | Input Volts | Watts | Lumens  |
|---------------|-------------------------|------------|-------------|-------|---------|
| L56LED09S271  | Non-IC Retrofit         | 2700k      | 120V        | 19W   | 900 lm* |
| L56LED09S27D1 | Non-IC Retrofit dimming |            |             | 23W   |         |
| L56LED09S351  | Non-IC Retrofit         | 3500k      | 19W         |       |         |
| L56LED09S35D1 | Non-IC Retrofit dimming |            | 23W         |       |         |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

Designed to be compatible with new construction frames where insulation will not be installed. This steel frame will accommodate ceilings up to 1" thick. Steel mounting bars will extend from 13" to 27". Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, mounting bars lock to T-bar ceiling runners without accessories, 1102P1 UL listed for through wiring.

### Non-dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|
| 120V          | 50/60Hz         | 0.16              | 20W             | < 20%   | >.9          | -20° C                        |

### Dimming

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature | % minimum dimming |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|-------------------|
| 120V          | 50/60Hz         | 0.2               | 23W             | < 20%   | >.9          | -20° C                        | < 5%              |

# Lytecaster LED retrofit

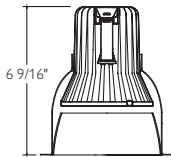
## 5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit



## 5" Aperture cone

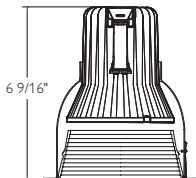


| Frame-in kit   | Lamping | Wattage (non dim / dim) |
|----------------|---------|-------------------------|
| L56LED Series  | 900 lms | 19W / 23W               |
| 1000LED Series | 900 lms | 19W / 23W               |
| 1001LED Series | 900 lms | 19W / 23W               |

### Reflector

|        |                |          |                                      |
|--------|----------------|----------|--------------------------------------|
| 1008   | Brushed gold   | 1008NM   | Brushed gold, natural metal flange   |
| 1010   | Brushed clear  | 1010NM   | Brushed clear, natural metal flange  |
| 1012   | Specular gold  | 1012NM   | Specular gold, natural metal flange  |
| 1013   | Specular clear | 1013NM   | Specular clear, natural metal flange |
| 1013BK | Specular black | 1013BKNM | Specular black, natural metal flange |
| 1013CD | Clear diffuse  | 1013CDNM | Clear diffuse, natural metal flange  |
| 1013WH | Matte white    |          |                                      |

## 5" Step baffle

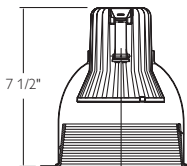


| Frame-in kit   | Lamping | Wattage (non dim / dim) |
|----------------|---------|-------------------------|
| L56LED Series  | 900 lms | 19W / 23W               |
| 1000LED Series | 900 lms | 19W / 23W               |
| 1001LED Series | 900 lms | 19W / 23W               |

### Reflector

|         |  |  |  |
|---------|--|--|--|
| 1005    | Matte black                                |  |  |
| 1005WH  | Matte white                                |  |  |
| 1005NM  | Matte black, natural metal flange          |  |  |
| 1005BNM | Natural metal baffle, natural metal flange |  |  |

## 5" Basic baffle



| Frame-in kit   | Lamping | Wattage (non dim / dim) |
|----------------|---------|-------------------------|
| L56LED Series  | 900 lms | 19W / 23W               |
| 1000LED Series | 900 lms | 19W / 23W               |
| 1001LED Series | 900 lms | 19W / 23W               |

### Reflector

|        |             |  |  |
|--------|-------------|--|--|
| 1076   | Matte black |  |  |
| 1076WH | Gloss white |  |  |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

# Lytecaster LED retrofit

## 5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

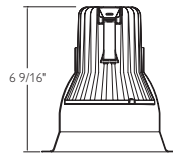


### 5" Basic white reflector



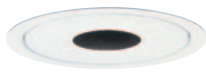
Reflector

**1071** Perma white



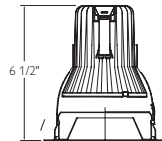
| Frame-in kit          | Lamping | Wattage (non dim / dim) |
|-----------------------|---------|-------------------------|
| <b>L56LED Series</b>  | 900 lms | 19W / 23W               |
| <b>1000LED Series</b> | 900 lms | 19W / 23W               |
| <b>1001LED Series</b> | 900 lms | 19W / 23W               |

### 5" Pinhole



Reflector

**1011** Matte white  
Faceplate



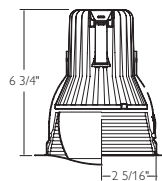
| Frame-in kit          | Lamping | Wattage (non dim / dim) |
|-----------------------|---------|-------------------------|
| <b>L56LED Series</b>  | 900 lms | 19W / 23W               |
| <b>1000LED Series</b> | 900 lms | 19W / 23W               |
| <b>1001LED Series</b> | 900 lms | 19W / 23W               |

### 5" Step baffle wall washer



Reflector

**1035** Matte black step baffle  
**1035WH** Matte white step baffle



| Frame-in kit          | Lamping | Wattage (non dim / dim) |
|-----------------------|---------|-------------------------|
| <b>L56LED Series</b>  | 900 lms | 19W / 23W               |
| <b>1000LED Series</b> | 900 lms | 19W / 23W               |
| <b>1001LED Series</b> | 900 lms | 19W / 23W               |

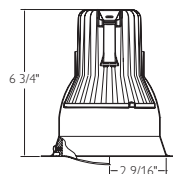
L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

### 5" Basic wall washer



Reflector

**1085** Gloss white



| Frame-in kit          | Lamping | Wattage (non dim / dim) |
|-----------------------|---------|-------------------------|
| <b>L56LED Series</b>  | 900 lms | 19W / 23W               |
| <b>1000LED Series</b> | 900 lms | 19W / 23W               |
| <b>1001LED Series</b> | 900 lms | 19W / 23W               |

L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

# Lytecaster LED retrofit

## 5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

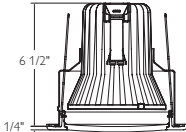


### 5" Lensed wet location



Reflector

**1090** Etch white



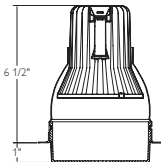
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 5" Opalex dropped wet location



Reflector

**1078** Lexan



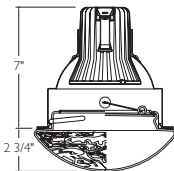
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 5" Cratere dome



Reflector

**1024** Cratere Glass



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

# Lytecaster LED retrofit

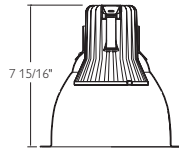


## 6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

### 6 3/4" Deep anodized

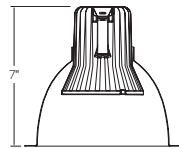


Reflector

|        |                |
|--------|----------------|
| 1145   | Specular gold  |
| 1146   | Specular clear |
| 1146CD | Clear diffuse  |

| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 6 3/4" shallow anodized

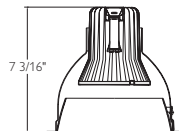


Reflector

|        |                |
|--------|----------------|
| 1143   | Specular gold  |
| 1144   | Specular clear |
| 1144CD | Clear diffuse  |

| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 6 3/4" Aperture cone



Reflector

|        |                |          |                                      |
|--------|----------------|----------|--------------------------------------|
| 1108   | Brushed gold   | 1108NM   | Brushed gold, natural metal flange   |
| 1110   | Brushed clear  | 1110NM   | Brushed clear, natural metal flange  |
| 1112   | Specular gold  | 1112NM   | Specular gold, natural metal flange  |
| 1113   | Specular clear | 1113NM   | Specular clear, natural metal flange |
| 1113BK | Specular black | 1113BKNM | Specular black, natural metal flange |
| 1113CD | Clear diffuse  | 1113CDNM | Clear diffuse, natural metal flange  |
| 1113WH | Matte white    |          |                                      |

| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

# Lytecaster LED retrofit

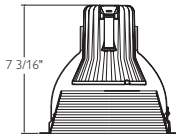
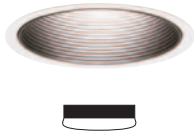
## 6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit



### 6 3/4" Step baffle

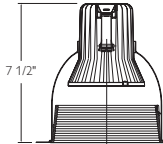


| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

Reflector

|         |  |
|---------|--|
| 1105    | Matte black                                |
| 1105NM  | Matte black, natural metal flange          |
| 1105BNM | Natural metal baffle, natural metal flange |
| 1105WH  | Matte white                                |

### 6 3/4" Basic baffle

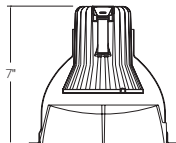


| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

Reflector

|        |             |
|--------|-------------|
| 1176   | Black       |
| 1176WH | Gloss white |

### 6 3/4" Cross blade

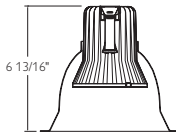


| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

Reflector

|      |       |
|------|-------|
| 1132 | White |
|------|-------|

### 6 3/4" Basic white reflector



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

Reflector

|      |             |
|------|-------------|
| 1171 | Gloss white |
|------|-------------|

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.



# Lytecaster LED retrofit

## 6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

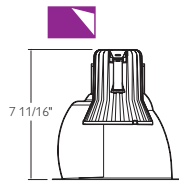


### 6 3/4" Basic eyelid wall washer



Reflector

- 1195 Specular gold
- 1196 Specular clear
- 1196CD Clear diffuse



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

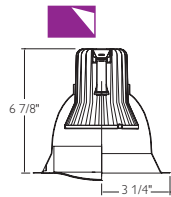
L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

### 6 3/4" Basic eyelid wall washer



Reflector

- 1185 Gloss white



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

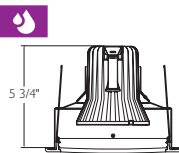
L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

### 6 3/4" Lensed wet location



Reflector

- 1190 Etch white



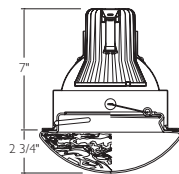
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 6 3/4" Cratere dome



Reflector

- 1124 Cratere Glass



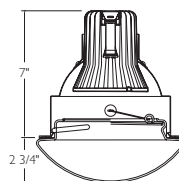
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

### 6 3/4" Opal dome



Reflector

- 1134 Opal glass



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| L56LED Series              | 900 lms | 19W / 23W               |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

# Lytecaster LED retrofit

## 6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

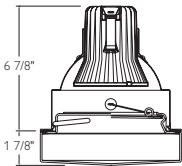


### 6 3/4" Opal disk



Reflector

**1121** Opal glass



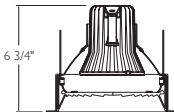
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| <b>L56LED Series</b>       | 900 lms | 19W / 23W               |

### 6 3/4" Fresnel lenslite



Reflector

**1126** Fresnel lens



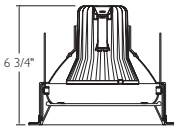
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| <b>L56LED Series</b>       | 900 lms | 19W / 23W               |

### 6 3/4" White diffuser



Reflector

**1128** White diffuser



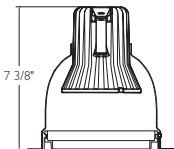
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| <b>L56LED Series</b>       | 900 lms | 19W / 23W               |

### 6 3/4" Opalex flush



Reflector

**1177SH** Lexan diffuser



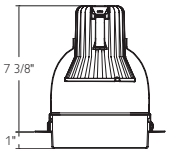
| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| <b>L56LED Series</b>       | 900 lms | 19W / 23W               |

### 6 3/4" Opalex dropped diffuser



Reflector

**1178SH** Lexan diffuser



| Retro frame-in kit for LED | Lamping | Wattage (non dim / dim) |
|----------------------------|---------|-------------------------|
| <b>L56LED Series</b>       | 900 lms | 19W / 23W               |

\* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

# Lytecaster basic series



## Frame-in kits

Lytecaster's wide selection of reflector trims and Frame-in kit options allows the designer great flexibility in achieving all the beauty and drama Line Voltage lighting can deliver.

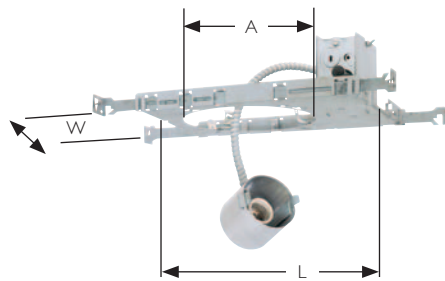
The color rendering of Line Voltage sources ranges all the way from the warm tones of conventional A-lamps to the brilliant light of tungsten halogen. Downlights with A-lamps produce smooth, soft-edged beams with minimal glare that are excellent for general lighting in virtually any application. Lytecaster's precise optics and high quality reflector finishes maximize the output of these economical sources for the greatest possible efficiency.

## Lytecaster

Lytecaster's unmatched selection, performance and flexibility make it the first choice for the most demanding residential and light commercial lighting applications. Lytecaster FLK's offer all installation options: IC, Non-IC, AirSeal® IC and Deep IC.

- Compatible with all Lytecaster Line Voltage Reflector Trims and 6 3/4" low voltage trims.
- Deliver the highest wattages and greatest adjustability in both IC and Non-IC installations.
- Provide deeply recessed lamps with the best cut-off and glare control.

## Standard non-IC



Note: 1002P1 and 1102P1 available for Chicago Plenum – consult factory.

|             | 2002P1             | 1002P1 | 1102P1   |
|-------------|--------------------|--------|----------|
| Cut out (A) | 3 11/16"           | 5 1/8" | 6 13/16" |
| Width (W)   | 7 1/2"             | 7 1/2" | 9"       |
| Length (L)  | 9 5/8"             | 9 5/8" | 11 1/8"  |
| Depth* (D)  | See reflector trim |        |          |

Designed for new construction where insulation will not be installed. This steel frame will accommodate ceilings up to 1" thick. Steel mounting bars will extend from 13" to 27". Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, mounting bars lock to T-bar ceiling runners without accessories, 1102P1 UL listed for through wiring.

## Remodeler non-IC

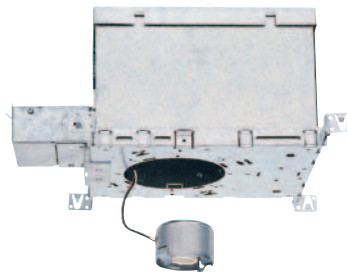
Designed for existing construction where insulation will not be installed. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings up to 2" thick. Junction box allows direct "daisy-chain" wiring to other fixtures. Tool-free cable clamps allow fast, convenient installation, for nonmetallic (Romex®) cable.



|             | 2003R              | 1003R  | 1103R    |
|-------------|--------------------|--------|----------|
| Cut out (A) | 3 15/16"           | 5 3/8" | 6 13/16" |
| Width (W)   | 4 3/8"             | 5 3/4" | 7 3/8"   |
| Length (L)  | 11 1/2"            | 13"    | 14 9/16" |
| Depth* (D)  | See reflector trim |        |          |

## Performance PAR non-IC

Designed for new construction where insulation will not be installed. Performance PAR Non-IC is specifically designed for use with Performance PAR Recessed Adjustable reflector trims. Accommodates ceilings up to 1" thick. Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.



|             | 2000P1   | 1000P1  | 1700P1  |
|-------------|----------|---------|---------|
| Cut out (A) | 3 11/16" | 5 1/8"  | 7 7/8"  |
| Width (W)   | 7 1/2"   | 9"      | 10 7/8" |
| Length (L)  | 10 1/4"  | 15 1/2" | 15 1/2" |
| Depth* (D)  | 5 1/2"   | 6 7/8"  | 9 3/4"  |

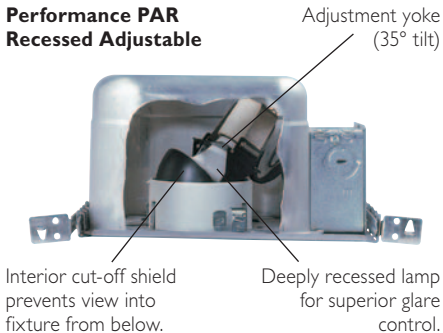
## Standard IC, deep IC and AirSeal® IC

Designed for new construction where insulation will be in direct contact with the fixture. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Installed appearance of Deep IC precisely matches Lytecaster Non-IC Frame-in Kits. Fully gasketed AirSeal® IC housings minimize air leakage for compliance with MEC and WSEC. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring, integral cable clamps for nonmetallic (Romex®) cable.



|             | 1000IC   | 1100IC   |        |
|-------------|----------|----------|--------|
| AirSeal     | 1000AICM | 1100AICM |        |
| Cut out (A) | 5 1/8"   | 6 13/16" |        |
| Width (W)   | 9"       | 9"       |        |
| Length (L)  | 15 1/2"  | 15 1/2"  |        |
| Depth (D)   | 7 5/16"  | 7 5/16"  | 9 1/4" |

**Performance PAR  
Recessed Adjustable**



Performance IC  
3 3/4" new construction



**2001F13ICU / 2001F13ICUN** 13w Quad/Triple Tube G24q-1/ GX24q-1 Base  
**2001F18ICU / 2001F18ICUN** 18w Triple Tube GX24q-2 Base

**Cut out** 3 15/16"  
**Width** 10 3/8"  
**Length** 12 3/4"  
**Depth** 7 1/4"

| Input power           | Frame-in kit | Total watts | Amp (120/277V) |
|-----------------------|--------------|-------------|----------------|
| <b>2001F13 Series</b> |              | 16W         | 0.13/0.06      |
| <b>2001F18 Series</b> |              | 19W         | 0.16/0.07      |

Performance IC  
5" new construction



**1001F13ICU / 1001F13ICUN** 13w Quad/Triple Tube G24q-1/ GX24q-1 Base  
**1001F18ICU / 1001F18ICUN** 18w Triple Tube GX24q-2 Base  
**1001F26ICU / 1001F26ICUN** 26w Triple Tube GX24q-3 Base

**Cut out** 5 1/4"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power           | Frame-in kit | Total watts | Amp (120/277V) |
|-----------------------|--------------|-------------|----------------|
| <b>1001F13 Series</b> |              | 16W         | 0.13/0.06      |
| <b>1001F18 Series</b> |              | 20W         | 0.17/0.08      |
| <b>1001F26 Series</b> |              | 29W         | 0.24/0.11      |

Performance IC  
6 3/4" new construction



**1101F18ICU / 1101F18ICUN** 18w Quad/Triple Tube  
**1101F26ICU / 1101F2642ICUN** 26w Quad Tube – 26-42W Triple

**Cut out** 6 15/16"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power             | Frame-in kit | Total watts | Amp (120/277V)  |
|-------------------------|--------------|-------------|-----------------|
| <b>1101F18 Series</b>   |              | 20W         | 0.23/0.10       |
| <b>1101F2642 Series</b> |              | 29W         | 0.33/0.14 (26W) |
|                         |              | 36W         | 0.40/0.17 (32W) |
|                         |              | 46W         | 0.53/0.23 (42W) |

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

**Ballast:** Mounted inside housing. 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

# About the Lytening series

## 5 1/2" thru 7" frame-in kits

Units featuring reflectorized lamps, such as PAR and BR lamps, are a good choice for accent lighting and wall washing, or wherever highly controlled beams are desired. Small-scale halogen PAR lamps such as the PAR16, PAR20, and PAR30 produce crisp, white light that is very similar in effect to low voltage lighting. Lytecaster downlights designed around these light sources are an excellent way to achieve the look and feel of low voltage accent lighting without the cost or complexity of transformers.



### Lytening convertible remodeler IC/non-IC

Remodeler may be used in existing insulated or non-insulated ceilings up to 2" thick. Junction box on flex for easier mounting in restricted applications. AirSeal® ready, complies with MEC and WSEC air leakage requirements when installed as instructed. Integral cable clamps for nonmetallic (Romex®) cable.



|             | 1004ICR | 1104ICR |
|-------------|---------|---------|
| Cut out (A) | 5 3/8"  | 7"      |
| Width (W)   | 5 3/4"  | 7 5/16" |
| Length (L)  | 11 3/8" | 13 1/8" |
| Depth* (D)  | 7 1/2"  | 7 1/2"  |

### Lytening shallow convertible IC/non-IC

Shallow remodeler IC/Non-IC housing for use in 2" x 6" joist construction. Junction box on flex for restricted applications. AirSeal® ready, complies with MEC and WSEC air leakage requirements when installed as instructed.



|             | 1004SICR | 1104SICR |
|-------------|----------|----------|
| Cut out (A) | 5 1/2"   | 6 13/16" |
| Width (W)   | 5 3/4"   | 7 5/16"  |
| Length (L)  | 11 3/8"  | 13 1/8"  |
| Depth* (D)  | 5 1/2"   | 5 1/2"   |

### Lytening shallow convertible IC/non-IC

Shallow new construction IC/Non-IC housing for use in 2" x 6" joist construction. Pivoting bar-ends, tool-free cable clamps for nonmetallic (Romex®) cable and pre-installed mounting screws are standard. AirSeal, complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.



**1104SICN**  
Preset Nails

**1004SICN**  
Preset Nails

|             | 1004SIC | 1104SIC  |
|-------------|---------|----------|
| Cut out (A) | 5 3/8"  | 6 13/16" |
| Width (W)   | 5 3/4"  | 7 5/16"  |
| Length (L)  | 9"      | 10 3/4"  |
| Depth* (D)  | 5 1/2"  | 5 1/2"   |

### Lytening IC

IC housing designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Accepts a wide choice of reflector trims and lamps to 120W. AirSeal® complies with MEC and WSEC air leakage requirements. Pivoting bar-ends, pre-installed mounting screws (or nails), and tool-free cable clamps for fast, convenient installation.



**1104ICXQ**  
Quick connects

**1004ICXQ**  
Quick connects

**1104ICXN**  
Preset nails

**1004ICXN**  
Preset nails

**1104ICXNQ**  
Preset nails / quick connects

**1004ICXNQ**  
Preset nails / quick connects

|             | 1004ICX | 1104ICX  |
|-------------|---------|----------|
| Cut out (A) | 5 1/4"  | 6 15/16" |
| Width (W)   | 10 3/8" | 10 3/8"  |
| Length (L)  | 12 1/4" | 12 1/4"  |
| Depth* (D)  | 7 1/4"  | 7 1/4"   |

### Lytening convertible IC/non-IC

Convertible IC/Non-IC for new construction ceilings up to 3" thick. AirSeal®, complies with MEC and WSEC air leakage requirements when installed as instructed. Pivoting bar-ends, pre-installed mounting screws, and tool-free cable clamps for fast, convenient installation. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring.



**1104ICQ**  
Quick connects

**1004ICQ**  
Quick connects

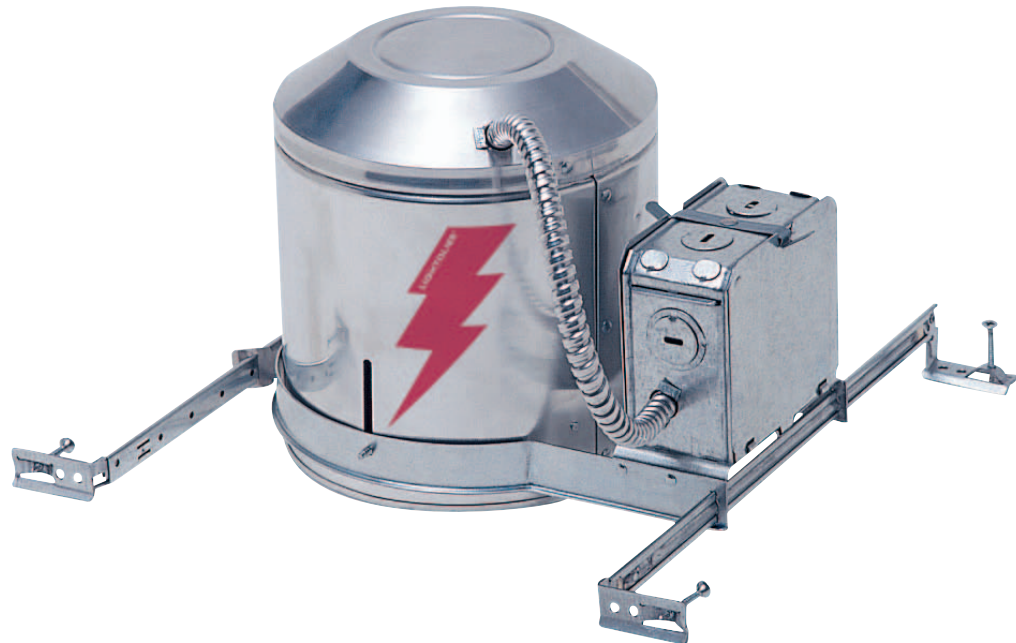
**1104ICN**  
Preset nails

**1004ICN**  
Preset nails

**1104ICNQ**  
Preset nails / quick connects

**1004ICNQ**  
Preset nails / quick connects

|             | 1004IC | 1104IC  |
|-------------|--------|---------|
| Cut out (A) | 5 3/8" | 7"      |
| Width (W)   | 5 3/4" | 7 5/16" |
| Length (L)  | 9"     | 10 3/4" |
| Depth* (D)  | 7 1/2" | 7 1/2"  |



Flexible UL Listing:

Unique UL listing called “convertible” allows a product listing to change in the field from IC to non-IC.

Integral screws or nails in brackets for quick easy installation. Swing up configuration.



Screw-in



Quick-connect



Swing-up

Use the convertible feature if you don't have insulation and you need to use a higher wattage lamp.

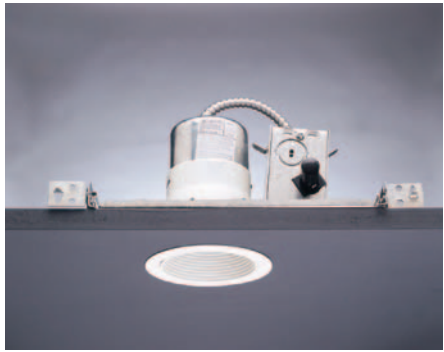


# Lytecaster basic incandescent trims - line voltage

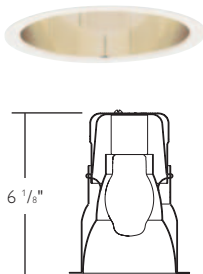
## 3 3/4" Reflector trims

These miniature 3 3/4" downlights are an ideal solution for tight spaces and hard-to-light areas such as low ceilings, niches, bedrooms, corridors and similar environments. Use A or R lamps for soft-edged "fill" lighting and PAR lamps for focal downlighting or wall grazing.

- **Aperture cones** produce excellent light output and come in a variety of finishes.
- Durable **Step baffle** provides good light output with increased glare control.
- **Pinhole** offers maximum glare control and an inconspicuous look.



## 3 3/4" Deep anodized

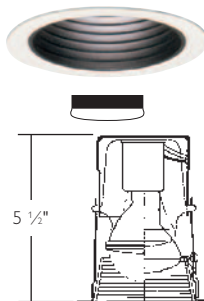


### BT15

| 60W BT15 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 7'                      | 9'        |  |
| 10'                      | 4'                      | 13'       |  |
| 12'                      | 2'                      | 16'       |  |
| Multiple units /S.R.=1.1 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 19                      | 16        |  |
| 6'                       | 9                       | 7         |  |
| 8'                       | 5                       | 4         |  |

| Reflector |                | Frame-in |                 | Lamping |  |
|-----------|----------------|----------|-----------------|---------|--|
| 2045      | Specular gold  | kit      | Ceiling         | BT15    |  |
| 2046      | Specular clear |          |                 |         |  |
| 2046CD    | Clear diffuse  | 2002P1   | Non-IC          | 60W     |  |
|           |                | 2003R    | Non-IC Existing | 60W     |  |

## 3 3/4" Step baffle



### R20

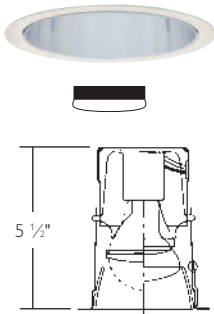
| 50W R20 Single Unit      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 6'                       | 37                      | 3'        |  |
| 8'                       | 15                      | 4'        |  |
| 10'                      | 8                       | 6'        |  |
| Multiple units /S.R.=1.1 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 18                      | 15        |  |
| 6'                       | 8                       | 7         |  |
| 8'                       | 4                       | 4         |  |

### PAR20

| 50W PAR20 NFL (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 41                      | 4'        |  |
| 10'                      | 22                      | 5'        |  |
| 12'                      | 14                      | 6'        |  |
| Multiple units /S.R.=0.6 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 35                      | 31        |  |
| 6'                       | 16                      | 14        |  |
| 8'                       | 9                       | 8         |  |

| Reflector |  | Frame-in |                 | Lamping |     |       |       |
|-----------|--|----------|-----------------|---------|-----|-------|-------|
| 2005      | Matte black                                | kit      | Ceiling         | A19     | R20 | PAR16 | PAR20 |
| 2005NM    | Matte black, natural metal flange          | 2002P1   | Non-IC          | 40W     | 75W | 75W   | 50W   |
|           |  | 2003R    | Non-IC Existing | 60W     | 75W | 75W   | 50W   |
| 2005WH    | Matte white                                | 2000IC   | IC              | —       | 50W | 45W   | 50W   |
| 2005BNM   | Natural metal baffle, natural metal flange | 2000AIC  | AirSeal IC      | —       | 50W | 45W   | 50W   |

## 3 3/4" Aperture cone



### R20

| 50W R20 Single Unit      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 44                      | 3'        |  |
| 10'                      | 18                      | 5'        |  |
| 12'                      | 10                      | 7'        |  |
| Multiple units /S.R.=0.8 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 28                      | 24        |  |
| 6'                       | 12                      | 11        |  |
| 8'                       | 7                       | 6         |  |

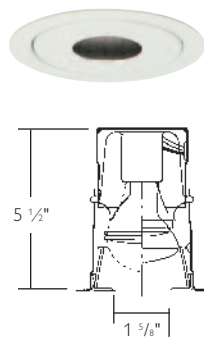
### PAR20

| 50W PAR20 NFL (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 48                      | 3'        |  |
| 10'                      | 26                      | 5'        |  |
| 12'                      | 16                      | 6'        |  |
| Multiple units /S.R.=0.6 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 42                      | 37        |  |
| 6'                       | 19                      | 17        |  |
| 8'                       | 11                      | 9         |  |

| Reflector |                | Frame-in |                                      | Lamping |  |  |  |
|-----------|----------------|----------|--------------------------------------|---------|--|--|--|
| 2008      | Brushed gold   | 2008NM   | Brushed gold, natural metal flange   |         |  |  |  |
| 2010      | Brushed clear  | 2010NM   | Brushed clear, natural metal flange  |         |  |  |  |
| 2012      | Specular gold  | 2012NM   | Specular gold, natural metal flange  |         |  |  |  |
| 2013      | Specular clear | 2013NM   | Specular clear, natural metal flange |         |  |  |  |
| 2013BK    | Specular black | 2013BKNM | Specular black, natural metal flange |         |  |  |  |
| 2013CD    | Clear diffuse  | 2013CDNM | Clear diffuse, natural metal flange  |         |  |  |  |
| 2013WH    | Matte white    |          |                                      |         |  |  |  |

| Frame-in |                 | Lamping |     |       |       |
|----------|-----------------|---------|-----|-------|-------|
| kit      | Ceiling         | A19     | R20 | PAR16 | PAR20 |
| 2002P1   | Non-IC          | 40W     | 75W | 75W   | 50W   |
| 2003R    | Non-IC existing | 60W     | 75W | 75W   | 50W   |
| 2000IC   | IC              | —       | 50W | 45W   | 50W   |
| 2000AIC  | AirSeal IC      | —       | 50W | 45W   | 50W   |

## 3 3/4" Pinhole



### PAR16

| 55W PAR16 NFL (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 52                      | 2'        |  |
| 10'                      | 29                      | 3'        |  |
| 12'                      | 17                      | 4'        |  |
| Multiple units /S.R.=0.4 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 25                      | 23        |  |
| 6'                       | 11                      | 10        |  |
| 8'                       | 6                       | 6         |  |

### PAR20

| 50W PAR20 NFL (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 27                      | 3'        |  |
| 10'                      | 15                      | 4'        |  |
| 12'                      | 9                       | 5'        |  |
| Multiple units /S.R.=0.6 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 21                      | 18        |  |
| 6'                       | 9                       | 8         |  |
| 8'                       | 5                       | 5         |  |

| Reflector |                       | Frame-in |               | Lamping |     |       |       |
|-----------|-----------------------|----------|---------------|---------|-----|-------|-------|
| 2011      | Matte white faceplate | kit      | Ceiling       | A19     | R20 | PAR16 | PAR20 |
|           |                       | 2002P1   | Non-IC        | 40W     | 50W | 45W   | 50W   |
|           |                       | 2003R    | Non-IC exist. | 40W     | 50W | 60W   | 50W   |

Accepts Lytegems, see page 1.333.







# Lytecaster line voltage

## 3 3/4" Accent lighting & wet location

### Performance PAR Recessed Accent

Deeply recessed lamps and an inner cut-off shield ensure minimum aperture brightness and conforms with the other downlights in the space.

### Open wet location

This unique design creates a fully UL listed wet location without a lens.

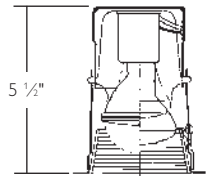
### Lensed wet location

This elegant fixture provides high quality ambient lighting and is suitable for showers, spas, Jacuzzis and other wet locations.

### Eyeball

Since they are not completely recessed, Eyeballs feature a greater degree of adjustment than fully recessed accent lights – up to 45° vertically.

## 3 3/4" Basic baffle

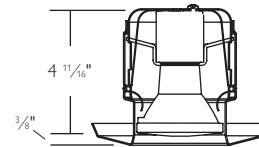


Reflector

|        |             |
|--------|-------------|
| 2076   | Black       |
| 2076WH | Gloss white |

| Frame-in kit | Ceiling    | Lamping |     |       |       |
|--------------|------------|---------|-----|-------|-------|
|              |            | A19     | R20 | PAR16 | PAR20 |
| 2002P1       | Non-IC     | 40W     | 75W | 75W   | 50W   |
| 2003R        | Standard   | 60W     | 75W | 75W   | 50W   |
| 2000IC       | IC         | —       | 50W | 45W   | 50W   |
| 2000AIC      | AirSeal IC | —       | 50W | 45W   | 50W   |

## 3 3/4" Open wet location



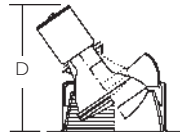
Reflector

|        |               |
|--------|---------------|
| 2084WH | Gloss white   |
| 2084CD | Clear diffuse |

| Frame-in kit | Ceiling | Lamping |
|--------------|---------|---------|
|              |         | PAR20   |
| 2000IC       | IC      | 50W     |
| 2000AIC      | IC      | 50W     |
| 2002P1       | Non-IC  | 50W     |
| 2003R        | Non-IC  | 50W     |

**Sylvania outdoor rated lamps only.**

## 3 3/4" Performance PAR recessed adjustable



Vertical tilt: 35°

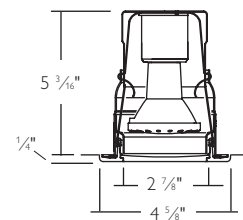
Reflector

| Frame-in kit | Ceiling    | Lamping |       |        |
|--------------|------------|---------|-------|--------|
|              |            | R20     | PAR16 | PAR 20 |
| 2000P1       | Non-IC     | 75W     | 75W   | 50W    |
| 2000IC       | IC         | —       | 45W   | 50W    |
| 2000AIC      | AirSeal IC | —       | 45W   | 50W    |

| Reflector | Frame-in kit       | Reflector | Frame-in kit                               |
|-----------|--------------------|-----------|--|
| 2027      | Matte black Baffle | 2027NM    | Matte black, natural metal flange          |
| 2027WH    | Matte white Baffle | 2027BNM   | Natural metal baffle, Natural Metal Flange |
| 2029CL    | Specular clear     | 2029CLNM  | Specular clear, natural metal flange       |
| 2029GD    | Specular gold      | 2029GDNM  | Specular gold, natural metal flange        |
| 2029BK    | Specular black     | 2029BKNM  | Specular black, natural metal flange       |
| 2029CD    | Clear diffuse      | 2029CDNM  | Clear diffuse, natural metal flange        |
| 2029WH    | Matte white        |           |  |

## 3 3/4" Lensed wet location

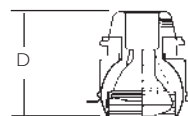


Reflector

|      |            |
|------|------------|
| 2090 | Etch white |
|------|------------|

| Frame-in kit | Ceiling | Lamping |
|--------------|---------|---------|
|              |         | PAR20   |
| 2000P1       | Non-IC  | 50W     |
| 2002P1       | Non-IC  | 50W     |
| 2003R        | Non-IC  | 50W     |
| 2000IC       | IC      | 50W     |
| 2000AIC      | IC      | 50W     |

## 3 3/4" Step baffle eyeball



Vertical tilt: 35°

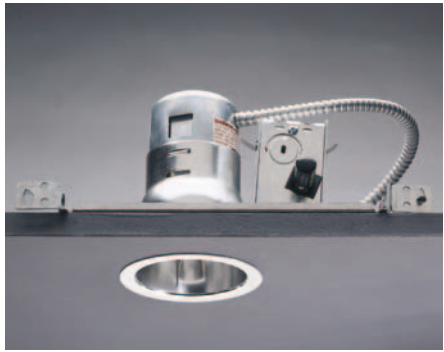
Reflector

|        |                                    |
|--------|------------------------------------|
| 2022   | Matte white Eyeball w/Black baffle |
| 2022WH | Matte white Eyeball w/White baffle |

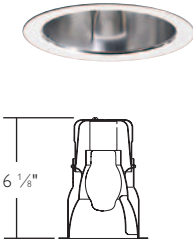
| Frame-in kit | Ceiling    | Lamping |       |     |
|--------------|------------|---------|-------|-----|
|              |            | PAR16   | PAR20 | R20 |
| 2000P1       | Non-IC     | 75W     | 50W   | 75W |
| 2000IC       | IC         | 45W     | 50W   | 50W |
| 2000AIC      | AirSeal IC | 45W     | 50W   | 50W |

# Lytecaster line voltage

## 3 3/4" Open wall washers



## 3 3/4" Open downlight wall washer



| 60W<br>BT15 | Footcandles on wall |    |    |    |    |    |
|-------------|---------------------|----|----|----|----|----|
|             | 18"                 |    |    | 2' |    |    |
| 1'          | 9                   | 7  | 9  | 8  | 4  | 8  |
| 2'          | 20                  | 20 | 20 | 15 | 15 | 15 |
| 3'          | 16                  | 16 | 16 | 12 | 12 | 12 |
| 4'          | 11                  | 11 | 11 | 9  | 9  | 9  |
| 5'          | 8                   | 8  | 8  | 6  | 6  | 6  |
| 6'          | 5                   | 5  | 5  | 4  | 4  | 4  |
| 7'          | 4                   | 4  | 4  | 3  | 3  | 3  |
| 8'          | 3                   | 3  | 3  | 2  | 2  | 2  |
| 9'          | 2                   | 2  | 2  | 2  | 2  | 2  |

Note: Data based on a minimum of 5 units

### Open wall washer

Designed to match deep Anodized downlights, these open wall wash downlights provide a smooth uniform wash of wall lighting in addition to some room side downlight. They are an excellent way to make a small room appear more spacious. These fixtures are also good for lighting shelving or displays.

| Reflector |                |
|-----------|----------------|
| 2095      | Specular gold  |
| 2096      | Specular clear |
| 2096CD    | Clear diffuse  |

| Frame-in |                 | Lamping |
|----------|-----------------|---------|
| kit      | Ceiling         | BT15    |
| 2002P1   | Non-IC          | 60W     |
| 2003R    | Non-IC existing | 60W     |



# Lytecaster line voltage

## 5" Reflector trims

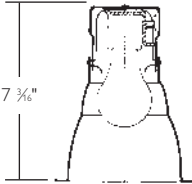


### Open

Perfectly scaled for residential ceiling heights up to nine feet, these downlights are available in a choice of finishes to match virtually any interior design. A selection of general lighting performance options is available to meet a variety of needs and budgets.

- **Deep anodized** reflector provides the highest light output with extremely low glare and is ideally suited for inexpensive A-lamps.
- **Aperture cones** provide more light than black baffle downlights yet feature very low brightness.
- Die-cast aluminum **Step baffle** offers excellent glare control.

### 5" Deep anodized



### Reflector

|               |                |
|---------------|----------------|
| <b>1045</b>   | Specular gold  |
| <b>1046</b>   | Specular clear |
| <b>1046CD</b> | Clear diffuse  |

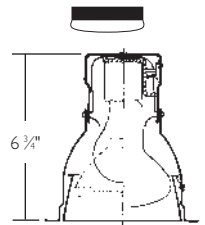
### A19

| 100W A19 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 14                      | 10'       |  |
| 10'                      | 8                       | 14'       |  |
| 12'                      | 5                       | 17'       |  |
| Multiple units /S.R.=1.5 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 67                      | 49        |  |
| 6'                       | 30                      | 22        |  |
| 8'                       | 17                      | 12        |  |

### Frame-in

| kit              | Lamping          |         |
|------------------|------------------|---------|
|                  | Ceiling          | A19     |
| <b>1000P1</b>    | Non-IC           | 100W    |
| <b>1002P1</b>    | Non-IC           | 100W    |
| <b>1003R</b>     | Non-IC Exist.    | 100W    |
| <b>1004ICX**</b> | AirSeal IC       | 60W     |
| <b>1004IC**</b>  | IC/Non-IC        | 40W/60W |
| <b>1004ICR</b>   | IC/Non-IC Exist. | 40W/60W |
| <b>1000IC</b>    | IC               | 60W     |
| <b>1000AICM</b>  | AirSeal IC       | 60W     |

### 5" Aperture cone



### A19

| 75W A19 Single Unit      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 7                       | 13'       |  |
| 10'                      | 4                       | 18'       |  |
| 12'                      | 2                       | 23'       |  |
| Multiple units /S.R.=1.8 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 46                      | 37        |  |
| 6'                       | 21                      | 17        |  |
| 8'                       | 12                      | 9         |  |

### PAR30

| 75W PAR30 FL. (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 56                      | 5'        |  |
| 10'                      | 30                      | 6'        |  |
| 12'                      | 19                      | 8'        |  |
| Multiple units /S.R.=0.8 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 74                      | 65        |  |
| 6'                       | 33                      | 28        |  |
| 8'                       | 19                      | 16        |  |

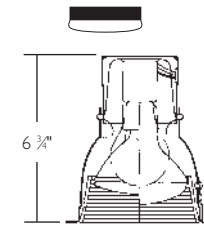
### Reflector

|               |                |          |                                      |
|---------------|----------------|----------|--------------------------------------|
| <b>1008</b>   | Brushed gold   | 1008NM   | Brushed gold, natural metal flange   |
| <b>1010</b>   | Brushed clear  | 1010NM   | Brushed clear, natural metal flange  |
| <b>1012</b>   | Specular gold  | 1012NM   | Specular gold, natural metal flange  |
| <b>1013</b>   | Specular clear | 1013NM   | Specular clear, natural metal flange |
| <b>1013BK</b> | Specular black | 1013BKNM | Specular black, natural metal flange |
| <b>1013CD</b> | Clear diffuse  | 1013CDNM | Clear diffuse, natural metal flange  |
| <b>1013WH</b> | Matte white    |          |                                      |

( ) = Lamping for 1013BK/1013BKNM

| Frame-in kit     | Ceiling                  | Lamping |           |               |
|------------------|--------------------------|---------|-----------|---------------|
|                  |                          | A19     | BR30      | PAR30         |
| <b>1000P1</b>    | Non-IC                   | 75W     | 75W       | 75W           |
| <b>1002P1</b>    | Non-IC                   | 75W     | 75W       | 75W Long neck |
| <b>1003R</b>     | Non-IC exist.            | 75W     | 85W       | 75W Long neck |
| <b>1004ICX**</b> | AirSeal IC               | 60W     | 85W (75W) | 75W           |
| <b>1004IC**</b>  | IC/Non-IC                | 40W/60W | 65W/85W   | 50W/75W       |
| <b>1004ICR</b>   | IC/Non-IC Exist.         | 40W/60W | 65W/85W   | 50W/75W       |
| <b>1004SIC*</b>  | Shallow IC/Non-IC        | —       | 65W/85W   | 50W/75W       |
| <b>1004SICR</b>  | Shallow IC/Non-IC Exist. | —       | 65W/85W   | 50W/75W       |
| <b>1000IC</b>    | IC                       | 40W     | 65W       | 75W           |
| <b>1000AICM</b>  | AirSeal IC               | 40W     | 65W       | 75W           |

### 5" Step baffle



### A19

| 75W A19 Single Unit      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 5                       | 14'       |  |
| 10'                      | 3                       | 20'       |  |
| 12'                      | 2                       | 25'       |  |
| Multiple units /S.R.=1.6 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 25                      | 19        |  |
| 6'                       | 11                      | 8         |  |
| 8'                       | 6                       | 5         |  |

### PAR30

| 75W PAR30 FL. (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 65                      | 4'        |  |
| 10'                      | 35                      | 6'        |  |
| 12'                      | 22                      | 7'        |  |
| Multiple units /S.R.=0.7 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 71                      | 62        |  |
| 6'                       | 31                      | 28        |  |
| 8'                       | 18                      | 16        |  |

### Reflector

|                |  |
|----------------|--|
| <b>1005</b>    | Matte black                                |
| <b>1005WH</b>  | Matte white                                |
| <b>1005NM</b>  | Matte black, natural metal flange          |
| <b>1005BNM</b> | Natural metal baffle, natural metal flange |

| Frame-in kit     | Ceiling                  | Lamping |         |                   |
|------------------|--------------------------|---------|---------|-------------------|
|                  |                          | A19     | BR30    | PAR30             |
| <b>1000P1</b>    | Non-IC                   | 75W     | 75W     | 75W Long neck     |
| <b>1002P1</b>    | Non-IC                   | 75W     | 75W     | 75W Long neck     |
| <b>1003R</b>     | Non-IC Exist.            | 75W     | 85W     | 75W Long neck     |
| <b>1004ICX**</b> | AirSeal IC               | 40W     | 65W     | 75W               |
| <b>1004IC**</b>  | IC/Non-IC                | — /40W  | 60W/75W | 50W/75W Long neck |
| <b>1004ICR</b>   | IC/Non-IC exist.         | — /40W  | 60W/75W | 50W/75W Long neck |
| <b>1004SIC*</b>  | Shallow IC/Non-IC        | —       | 60W/75W | 50W/75W Long neck |
| <b>1004SICR</b>  | Shallow IC/Non-IC exist. | —       | 60W/75W | 50W/75W Long neck |
| <b>1000IC</b>    | IC                       | 40W     | 65W     | 75W               |
| <b>1000AICM</b>  | AirSeal IC               | 40W     | 65W     | 75W               |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 Accepts Lytegems, see page 1.333.



# Lytecaster line voltage

## 5" Reflector trims

### Basic & spun baffle

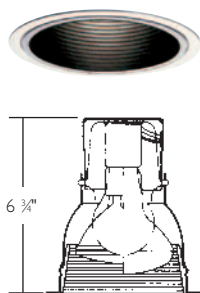
- Basic baffle provides effective yet economic glare control.
- One-piece Spun Baffle accommodates higher wattage BR30 lamping in both standard and shallow Lytening.

### Basic white reflector & pinhole

- Basic white reflector provides good light output for tight budgets.
- Pinhole provides maximum shielding of the light source with localized light output. An excellent choice for discreet task lighting.



## 5" Basic baffle



### A19

| 60W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30" above floor | Beam Dia. |
| 8'                  | 3                       | 14"       |
| 10'                 | 2                       | 20"       |
| 12'                 | 1                       | 25"       |

| Multiple units /S.R.=1.6 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 18          | 14        |
| 6'                       | 8           | 6         |
| 8'                       | 4           | 3         |

### BR30

| 85W BR30 FL Single Unit |                         |           |
|-------------------------|-------------------------|-----------|
| Ht. to Floor            | F.C. at 30" above floor | Beam Dia. |
| 8'                      | 15                      | 7"        |
| 10'                     | 8                       | 10"       |
| 12'                     | 5                       | 12"       |

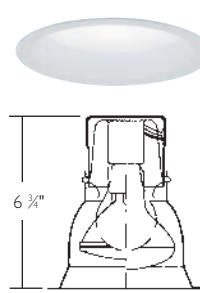
| Multiple units /S.R.=0.9 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 37          | 29        |
| 6'                       | 16          | 13        |
| 8'                       | 9           | 7         |

### Reflector

- 1076 Black
- 1076WH Gloss white

| Frame-in kit | Ceiling            | Lamping |         |               |
|--------------|--------------------|---------|---------|---------------|
|              |                    | A19     | BR30    | PAR30         |
| 1000P1       | Non-IC             | 60W     | 75W     | 75W Long neck |
| 1002P1       | Non-IC             | 60W     | 75W     | 75W Long neck |
| 1003R        | Non-IC exist.      | 60W     | 85W     | 75W Long neck |
| 1004ICX**    | AirSeal IC         | 40W     | 65W     | 75W Long neck |
| 1004IC**     | IC/Non-IC          | —/40W   | 60W/75W | 50W           |
| 1004ICR      | IC/Non-IC          | —/40W   | 60W/75W | 50W           |
| 1004SIC*     | Shallow IC/ Non-IC | —       | 60W/65W | 50W/75W       |
| 1004SICR     | Shallow IC/ Non-IC | —       | 60W/65W | 50W/75W       |
| 1000IC       | IC                 | 40W     | 65W     | 75W           |
| 1000AICM     | AirSeal IC         | 40W     | 65W     | 75W           |

## 5" Basic white reflector



### A19

| 75W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30" above floor | Beam Dia. |
| 8'                  | 7                       | 12"       |
| 10'                 | 4                       | 16"       |
| 12'                 | 3                       | 21"       |

| Multiple units /S.R.=1.4 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 32          | 24        |
| 6'                       | 14          | 11        |
| 8'                       | 8           | 6         |

### BR30

| 75W BR30 FL Single |                         |           |
|--------------------|-------------------------|-----------|
| Ht. to Floor       | F.C. at 30" above floor | Beam Dia. |
| 8'                 | 15                      | 8"        |
| 10'                | 8                       | 11"       |
| 12'                | 5                       | 13"       |

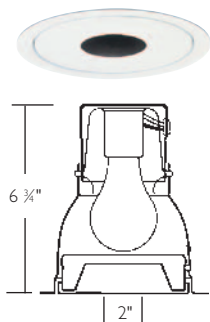
| Multiple units /S.R.=0.9 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 42          | 33        |
| 6'                       | 19          | 15        |
| 8'                       | 11          | 8         |

### Reflector

- 1071 Gloss white

| Frame-in kit | Ceiling                   | Lamping |         |               |
|--------------|---------------------------|---------|---------|---------------|
|              |                           | A19     | BR30    | PAR30         |
| 1000P1       | Non-IC                    | 75W     | 100W    | 75W           |
| 1002P1       | Non-IC                    | 75W     | 65W     | 75W Long neck |
| 1003R        | Non-IC exist.             | 75W     | 85W     | 75W Long neck |
| 1004ICX**    | AirSeal IC                | 52W     | 65W     | 75W           |
| 1004IC**     | IC/Non-IC                 | —/52W   | 65W/85W | 50W/75W       |
| 1004ICR      | IC/Non-IC exist.          | —/52W   | 65W/85W | 50W/75W       |
| 1000IC       | IC                        | 40W     | 65W     | 75W           |
| 1000AICM     | AirSeal IC                | 40W     | 65W     | 75W           |
| 1004SIC*     | Shallow IC/Non-IC         | —       | 65W/85W | 50W/75W       |
| 1004SICR     | Shallow IC/ Non-IC exist. | —       | 65W/85W | 50W/75W       |

## 5" Pinhole



### A19

| 60W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30" above floor | Beam Dia. |
| 8'                  | 2                       | 13"       |
| 10'                 | 1                       | 18"       |
| 12'                 | 1                       | 23"       |

| Multiple units /S.R.=0.8 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 8           | 6         |
| 6'                       | 4           | 3         |
| 8'                       | 7           | 2         |

### PAR30

| 50W PAR30 NFL (FH) |                         |           |
|--------------------|-------------------------|-----------|
| Ht. to Floor       | F.C. at 30" above floor | Beam Dia. |
| 8'                 | 29                      | 3"        |
| 10'                | 15                      | 4"        |
| 12'                | 9                       | 5"        |

| Multiple units /S.R.=0.6 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 19          | 19        |
| 6'                       | 8           | 8         |
| 8'                       | 5           | 4         |

### Reflector

- 1011 Matte white Faceplate

| Frame-in kit | Ceiling       | Lamping |     |               |
|--------------|---------------|---------|-----|---------------|
|              |               | A19     | R20 | PAR30         |
| 1002P1       | Non-IC        | 60W     | 50W | 50W Long neck |
| 1003R        | Non-IC exist. | 60W     | 50W | 50W Long neck |
| 1000P1       | Non-IC exist. | 75W     | —   | 50W Long neck |

\*For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.



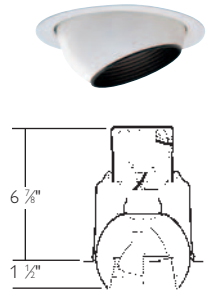
# Lytecaster line voltage

## 5" Accent lighting

This series of versatile line voltage Eyeball units blends easily into the ceiling and provides highly adjustable accent lighting. Since they are not recessed, Eyeballs feature a greater degree of adjustment than recessed accent lights — up to 45° vertically.

- Step Baffle Eyeball is designed to provide effective low brightness accent lighting.
- Regressed Eyeball provides versatility by providing accent lighting while maintaining a cleaner, recessed look.
- Basic Eyeball provides economical accent lighting for horizontal surfaces.

### 5" Step baffle eyeball



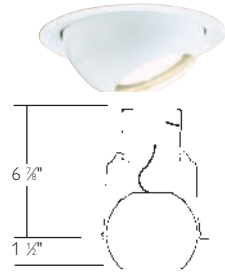
**Reflector**

- 1022** Matte white Eyeball w/Matte black baffle
- 1022WH** Matte white Eyeball w/Matte white baffle

Vertical tilt: 30°

| Frame-in kit     | Ceiling         | Lamping |         |
|------------------|-----------------|---------|---------|
|                  |                 | PAR20   | R20     |
| <b>1002P1</b>    | Non-IC          | 50W     | 75W     |
| <b>1003R</b>     | Non-IC exist    | 50W     | 75W     |
| <b>1004ICX**</b> | AirSeal IC      | 50W     | 75W     |
| <b>1004IC**</b>  | IC/Non-IC       | 50W/50W | 75W/75W |
| <b>1004ICR</b>   | IC/Non-IC exist | 50W/50W | 75W/75W |
| <b>1000IC</b>    | IC              | 50W     | 75W     |
| <b>1000AICM</b>  | AirSeal IC      | 50W     | 75W     |

### 5" Basic eyeball



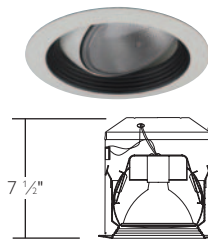
**Reflector**

- 1082** Gloss white Eyeball

Vertical tilt: 45°

| Frame-in kit     | Ceiling         | Lamping |         |
|------------------|-----------------|---------|---------|
|                  |                 | PAR20   | R20     |
| <b>1002P1</b>    | Non-IC          | 50W     | —       |
| <b>1003R</b>     | Non-IC exist    | 50W     | —       |
| <b>1004ICX**</b> | AirSeal IC      | 50W     | 75W     |
| <b>1004IC**</b>  | IC/Non-IC       | 50W/50W | 75W/75W |
| <b>1004ICR</b>   | IC/Non-IC exist | 50W/50W | 75W/75W |
| <b>1000IC</b>    | IC              | 50W     | 75W     |
| <b>1000AICM</b>  | AirSeal IC      | 50W     | 75W     |

### 5" Regressed eyeball



Vertical tilt: 30°

**Reflector**

- 1088** Black baffle w/matte white flange
- 1088WH** Matte white baffle w/flange
- 1088GW** Gloss white baffle w/flange

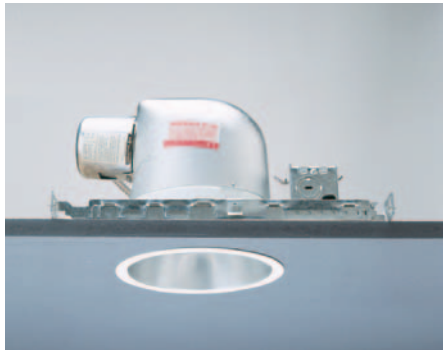
| Frame-in kit    | Ceiling   | Lamping |
|-----------------|-----------|---------|
|                 |           | PAR30   |
| <b>1004IC**</b> | IC/Non-IC | 50W/75W |
| <b>1004ICR</b>  | IC/Non-IC | 50W/75W |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

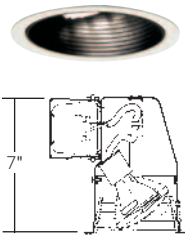
# Lytecaster line voltage

## 5" Accent lighting & wet location trims

More economical Recessed Adjustables offer inconspicuous accent lighting for horizontal and vertical surfaces and can be easily coordinated with Step Baffle and Aperture Cone downlights.



### 5" Recessed adjustable



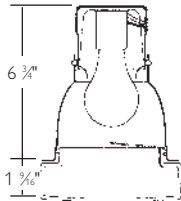
Vertical tilt: 35°  
(30° w/PAR30)

| Frame-in kit | Ceiling      | Lamping |       |        |
|--------------|--------------|---------|-------|--------|
|              |              | PAR16   | PAR20 | PAR 30 |
| 1002P1       | Non-IC       | 75W     | 50W   | 75W    |
| 1003R        | Non-IC exist | 75W     | 50W   | 75W    |
| 1004ICX**    | AirSeal IC   | 75W     | 50W   | 75W    |
| 1000IC       | IC           | 75W     | 50W   | 75W    |
| 1000AICM     | AirSeal IC   | 75W     | 50W   | 75W    |

#### Reflector

|        |                    |          |  |  |
|--------|--------------------|----------|--|--|
| 1027   | Matte black baffle | 1027NM   | Matte black baffle, natural metal flange   |  |
| 1027BK | Specular black     | 1027BNM  | Natural metal baffle, natural metal flange |  |
| 1038   | Specular gold      | 1027BKNM | Specular black, natural metal flange       |  |
| 1027CD | Clear diffuse      | 1038NM   | Specular gold, natural metal flange        |  |
| 1048   | Specular clear     | 1027CDNM | Clear diffuse, natural metal flange        |  |
| 1027WH | Matte white baffle | 1048NM   | Specular clear, natural metal flange       |  |

### 5" Opal disk



#### Reflector

1021 Opal glass

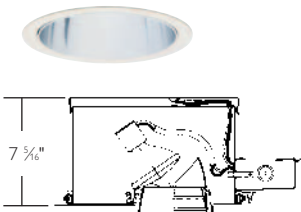
#### A19

| 75W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 8'                  | 3                       | 24'       |
| 10'                 | 2                       | 32'       |
| 12'                 | 1                       | 41'       |

| Multiple units /S.R.=1.3 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 21          | 14        |
| 6'                       | 9           | 6         |
| 8'                       | 5           | 4         |

| Frame-in kit | Ceiling       | Lamping |  |
|--------------|---------------|---------|--|
|              |               | A19     |  |
| 1002P1       | Non-IC        | 75W     |  |
| 1000P1       | Non-IC        | 75W     |  |
| 1003R        | Non-IC exist. | 75W     |  |
| 1004ICX**    | AirSeal IC    | 40W     |  |
| 1004IC**     | Non-IC        | 40W     |  |
| 1004ICR      | Non-IC exist. | 40W     |  |
| 1000IC       | IC            | 40W     |  |
| 1000AICM     | AirSeal IC    | 40W     |  |

### 5" Performance PAR Recessed Adjustable



| Frame-in kit | Ceiling    | Lamping |        |        |
|--------------|------------|---------|--------|--------|
|              |            | PAR 16  | PAR 20 | PAR 30 |
| 1000P1       | Non-IC     | 75W     | 50W    | 75W    |
| 1000IC       | IC         | 75W     | 50W    | 50W    |
| 1000AICM     | AirSeal IC | 75W     | 50W    | 50W    |

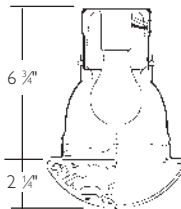
#### Reflector

|        |                    |          |  |  |
|--------|--------------------|----------|--|--|
| 1029   | Matte black baffle | 1029NM   | Black baffle, natural metal flange         |  |
| 1029BK | Specular black     | 1029BNM  | Natural metal baffle, natural metal flange |  |
| 1029CD | Clear diffuse      | 1029BKNM | Specular black, natural metal flange       |  |
| 1029CL | Specular clear     | 1029CDNM | Clear diffuse, natural metal flange        |  |
| 1029GD | Specular gold      | 1029CLNM | Specular clear, natural metal flange       |  |
| 1029WH | Matte white baffle | 1029GDNM | Specular gold, natural metal flange        |  |

| 60W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 8'                  | 5                       | 17'       |
| 10'                 | 2                       | 27'       |
| 12'                 | 1                       | 36'       |

| Multiple units /S.R.=1.3 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 13          | 9         |
| 6'                       | 6           | 4         |
| 8'                       | 3           | 2         |

### 5" Cratere Dome



#### Reflector

1024 Cratere Glass

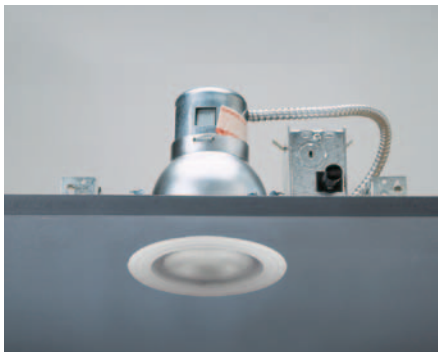
#### A19

| 75W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 8'                  | 5                       | 18'       |
| 10'                 | 3                       | 24'       |
| 12'                 | 2                       | 30'       |

| Multiple units /S.R.=1.3 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 26          | 18        |
| 6'                       | 12          | 8         |
| 8'                       | 6           | 4         |

| Frame-in kit | Ceiling       | Lamping |  |
|--------------|---------------|---------|--|
|              |               | A19     |  |
| 1002P1       | Non-IC        | 75W     |  |
| 1000P1       | Non-IC        | 75W     |  |
| 1003R        | Non-IC exist. | 75W     |  |
| 1004ICX**    | AirSeal IC    | 40W     |  |
| 1004IC**     | Non-IC        | 40W     |  |
| 1004ICR      | Non-IC exist. | 40W     |  |
| 1004SIC*     | Non-IC        | 40W     |  |
| 1004SICR     | Non-IC exist. | 40W     |  |
| 1000IC       | IC            | 40W     |  |
| 1000AICM     | AirSeal IC    | 40W     |  |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.



# Lytecaster line voltage

## 5" Enclosed & wet location trims

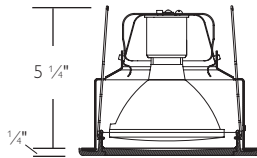
### Lensed wet location

This elegant fixture provides high quality ambient lighting and is suitable for showers, spas, jacuzzis and other wet locations.

### Open wet location

Unique design creates a fully UL listed wet location without a lens. Outdoor rated PAR lamps act as the lens providing up to 75 watts of light in a 5" aperture.

## 5" Lensed wet location

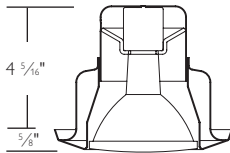


Reflector

**1090** Etch white

| Frame-in kit     | Lamping       |             |
|------------------|---------------|-------------|
|                  | Ceiling       |             |
| <b>1002P1</b>    | Non-IC        | 75W PAR 30L |
| <b>1003R</b>     | Non-IC exist. | 75W PAR 30L |
| <b>1000IC</b>    | IC            | 50W PAR 30S |
| <b>1000AICM</b>  | AirSeal IC    | 50W PAR 30S |
| <b>1004ICX**</b> | AirSeal IC    | 50W PAR 30S |
| <b>1004IC**</b>  | Non-IC        | 75W PAR 30S |
| <b>1004ICR</b>   | Non-IC exist. | 75W PAR 30S |

## 5" Open wet location



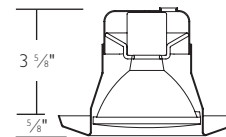
Reflector

**1084WH** Gloss white  
**1084CD** Clear diffuse

| Frame-in kit     | Lamping |               |
|------------------|---------|---------------|
|                  | IC      | Non-IC        |
| <b>1002P1</b>    | —       | 75W Long neck |
| <b>1003R</b>     | —       | 75W Long neck |
| <b>1004ICX**</b> | 60W     | —             |
| <b>1000IC</b>    | 60W     | —             |
| <b>1000AICM</b>  | 60W     | —             |

**Sylvania outdoor rated lamps only**

## 5" Open wet location



Reflector

**1081WH** Gloss white  
**1081CD** Clear diffuse

| Frame-in kit    | Lamping IC | Lamping Non-IC |
|-----------------|------------|----------------|
|                 | PAR30      | PAR30          |
| <b>1004IC**</b> | 75W        | 75W            |
| <b>1004ICR</b>  | 75W        | 75W            |

**Sylvania outdoor rated lamps only**

\* For nail version add "N" suffix.  
\*\*For nail version add "N" suffix.  
For quick connects add "Q" suffix.  
For nail & quick connects add "NQ" suffix.

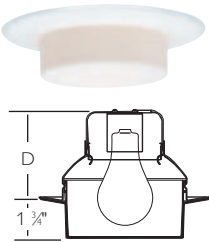
# Lytecaster line voltage

## 5" & 6 3/4" Enclosed wet location trims

Basic Dropped and Basic Flush are affordable solutions for effective lighting in locations where there may be direct contact with water.



### 5", 6 3/4" Basic dropped



| 40W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30' above floor | Beam Dia. |
| 6'                  | 4                       | 23'       |
| 8'                  | 2                       | 36'       |
| 10'                 | 1                       | 49'       |

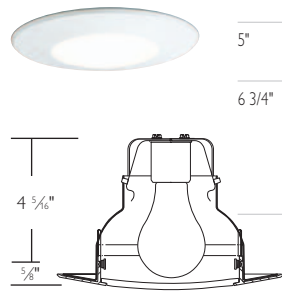
| Multiple units /S.R.=1.4 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 10          | 7         |
| 6'                       | 4           | 3         |
| 8'                       | 2           | 2         |

Reflector

1178LX Lexan

| Frame-in kit | Ceiling                  | Lamping A19 |
|--------------|--------------------------|-------------|
| 5"           |                          |             |
| 1004IC**     | IC/Non-IC                | 40W/40W     |
| 1004ICR      | IC/Non-IC exist.         | 40W/40W     |
| 6 3/4"       |                          |             |
| 1104IC**     | IC/Non-IC                | 40W/52W     |
| 1104ICR      | IC/Non-IC exist.         | 40W/52W     |
| 1104SIC*     | Shallow IC/Non-IC        | 40W/52W     |
| 1104SICR     | Shallow IC/Non-IC exist. | 40W/52W     |

### 5", 6 3/4" Basic flush

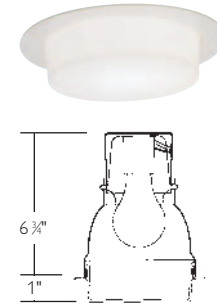


Reflector

1177LX Glass

|        | Frame-in kit | Ceiling                  | Lamping A19 |
|--------|--------------|--------------------------|-------------|
| 5"     | 1004IC**     | IC/Non-IC                | 40W/60W     |
|        | 1004ICR      | IC/Non-IC exist.         | 40W/60W     |
| 6 3/4" | 1104IC**     | IC/Non-IC                | 40W/75W     |
|        | 1104ICR      | IC/Non-IC exist.         | 40W/75W     |
|        | 1104SIC*     | Shallow                  | 40W/75W     |
|        | 1104SICR     | Shallow IC/Non-IC exist. | 40W/75W     |

### 5" Opalex dropped wet location



Reflector

1078 Lexan

|    | Frame-in kit | Ceiling          | Lamping A19 |
|----|--------------|------------------|-------------|
| 5" | 1000P1       | Non-IC           | 60W A19     |
|    | 1002P1       | Non-IC           | 60W A19     |
|    | 1003R        | Non-IC remodeler | 60W A19     |
|    | 1000IC       | IC               | 40W A19     |
|    | 1000AICM     | AirSeal IC       | 40W A19     |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.





# Lytecaster line voltage

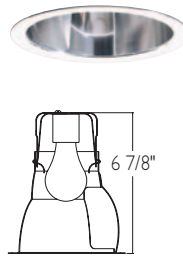
## 5" Wall washing

These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.

### Wall washing

- Step baffle wall washer provides a high intensity, smooth wash of light up to the ceiling line. Dual reflector optics ensure effective output with economical light sources while the aluminum step baffle reduces glare.
- Basic Eyelid wall washer features a Perma White reflector with an "eyelid" aperture that gives an even wash of light up to the ceiling line. Available in a white finish or with black or white phenolic baffles.

### 5" Open downlight wall washer



| Distance from ceiling | Footcandles on wall |    |    |    |    |    |
|-----------------------|---------------------|----|----|----|----|----|
|                       | 2'                  |    |    | 3' |    |    |
| 1'                    | 17                  | 17 | 17 | 13 | 9  | 13 |
| 2'                    | 23                  | 22 | 23 | 17 | 14 | 17 |
| 3'                    | 21                  | 21 | 21 | 15 | 14 | 15 |
| 4'                    | 17                  | 16 | 17 | 11 | 11 | 11 |
| 5'                    | 12                  | 12 | 12 | 8  | 8  | 8  |
| 6'                    | 9                   | 9  | 9  | 7  | 7  | 7  |
| 7'                    | 7                   | 7  | 7  | 5  | 5  | 5  |
| 8'                    | 5                   | 5  | 5  | 4  | 4  | 4  |
| 9'                    | 4                   | 5  | 4  | 3  | 3  | 3  |

Note: Data based on a minimum of 5 units

#### Reflector

|        |                |
|--------|----------------|
| 1095   | Specular gold  |
| 1096   | Specular clear |
| 1096CD | Clear diffuse  |

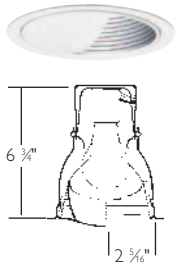
#### Frame-in

kit

#### Lamping

| Frame-in  | Kit        | Lamping |
|-----------|------------|---------|
| kit       | Ceiling    | A19     |
| 1002P1    | Non-IC     | 75W     |
| 1004ICX** | AirSeal IC | 60W     |
| 1000IC    | IC         | 60W     |

### 5" Eyelid step baffle wall washer



| Distance from ceiling | Footcandles on wall |    |    |    |    |    |
|-----------------------|---------------------|----|----|----|----|----|
|                       | 2'                  |    |    | 3' |    |    |
| 1'                    | 17                  | 16 | 17 | 12 | 9  | 12 |
| 2'                    | 18                  | 18 | 18 | 13 | 11 | 13 |
| 3'                    | 13                  | 13 | 13 | 9  | 8  | 9  |
| 4'                    | 9                   | 9  | 9  | 6  | 6  | 6  |
| 5'                    | 6                   | 6  | 6  | 4  | 4  | 4  |
| 6'                    | 4                   | 4  | 4  | 3  | 3  | 3  |
| 7'                    | 3                   | 3  | 3  | 2  | 2  | 2  |
| 8'                    | 2                   | 2  | 2  | 1  | 1  | 1  |
| 9'                    | 2                   | 2  | 2  | 1  | 1  | 1  |

Note: Data based on a minimum of 5 units

#### Reflector

|        |                         |
|--------|-------------------------|
| 1035   | Matte black step baffle |
| 1035WH | Matte white step baffle |

### BR30

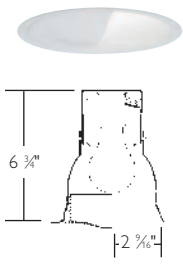
| Distance from ceiling | Footcandles on wall |    |    |    |    |    |
|-----------------------|---------------------|----|----|----|----|----|
|                       | 2'                  |    |    | 3' |    |    |
| 1'                    | 29                  | 28 | 29 | 19 | 19 | 19 |
| 2'                    | 24                  | 24 | 24 | 19 | 14 | 19 |
| 3'                    | 22                  | 20 | 22 | 14 | 14 | 14 |
| 4'                    | 16                  | 16 | 16 | 11 | 11 | 11 |
| 5'                    | 11                  | 11 | 11 | 8  | 7  | 8  |
| 6'                    | 8                   | 8  | 8  | 6  | 6  | 6  |
| 7'                    | 6                   | 6  | 6  | 5  | 5  | 5  |
| 8'                    | 5                   | 5  | 5  | 4  | 4  | 4  |
| 9'                    | 4                   | 4  | 4  | 4  | 4  | 4  |

Note: Data based on a minimum of 5 units

#### Frame-in

| Frame-in  | Kit          | Lamping  |
|-----------|--------------|----------|
| kit       | Ceiling      | A19 BR30 |
| 1000P1    | Non-IC       | 60W 75W  |
| 1002P1    | Non-IC       | 60W 75W  |
| 1003R     | Non-IC exist | 60W 85W  |
| 1000IC    | IC           | 40W —    |
| 1000AICM  | AirSeal IC   | 40W —    |
| 1004ICX** | AirSeal IC   | 40W —    |

### 5" Basic eyelid wall washer



| Distance from ceiling | Footcandles on wall |    |    |    |   |   |
|-----------------------|---------------------|----|----|----|---|---|
|                       | 2'                  |    |    | 3' |   |   |
| 1'                    | 9                   | 8  | 9  | 6  | 5 | 6 |
| 2'                    | 11                  | 11 | 11 | 8  | 7 | 8 |
| 3'                    | 10                  | 10 | 10 | 7  | 7 | 7 |
| 4'                    | 8                   | 8  | 8  | 6  | 6 | 6 |
| 5'                    | 6                   | 5  | 6  | 4  | 4 | 4 |
| 6'                    | 4                   | 4  | 4  | 3  | 3 | 3 |
| 7'                    | 3                   | 3  | 3  | 2  | 2 | 2 |
| 8'                    | 2                   | 2  | 2  | 2  | 2 | 2 |
| 9'                    | 2                   | 1  | 2  | 1  | 1 | 1 |

Note: Data based on a minimum of 5 units

#### Reflector

|      |             |
|------|-------------|
| 1085 | Gloss white |
|------|-------------|

#### Frame-in

kit

#### Lamping

| Frame-in  | Kit                     | Lamping |
|-----------|-------------------------|---------|
| kit       | Ceiling                 | A19     |
| 1000P1    | Non-IC                  | 60W     |
| 1002P1    | Non-IC                  | 60W     |
| 1003R     | Non-IC exist            | 60W     |
| 1000IC    | IC                      | 40W     |
| 1000AICM  | AirSeal IC              | 40W     |
| 1004ICX** | AirSeal IC              | 40W     |
| 1004IC**  | Non-IC                  | 40W     |
| 1004ICR   | Non-IC exist            | 40W     |
| 1004SIC*  | Shallow Non-IC          | 40W     |
| 1004SICR  | Shallow Non-IC existing | 40W     |

\* For nail version add "N" suffix.  
 \*\* For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

# Lytecaster line voltage

## 6 3/4" Reflector trims

This selection of 6 3/4" open downlights provides superior performance for general lighting applications requiring greater lumen output.

- Created of the highest quality aluminum, deep anodized reflectors feature a specular, mirror-like finish that provides 40% more light than black baffle downlights, superior cut-off, and the best glare control.



### 6 3/4" Deep anodized

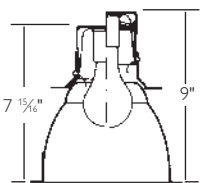


#### A19

| 100W A19 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 32                      | 8'        |  |
| 10'                      | 17                      | 11'       |  |
| 12'                      | 11                      | 14'       |  |
| Multiple units /S.R.=1.1 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 75                      | 61        |  |
| 6'                       | 33                      | 27        |  |
| 8'                       | 19                      | 16        |  |

#### A21

| 150W A21 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 54                      | 8'        |  |
| 10'                      | 29                      | 11'       |  |
| 12'                      | 18                      | 14'       |  |
| Multiple units /S.R.=1.1 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 125                     | 102       |  |
| 6'                       | 55                      | 45        |  |
| 8'                       | 31                      | 26        |  |



#### Reflector

|               |                |
|---------------|----------------|
| <b>1145</b>   | Specular gold  |
| <b>1146</b>   | Specular clear |
| <b>1146CD</b> | Clear diffuse  |

| Frame-in kit     | Ceiling         | Lamping |      |      |       |
|------------------|-----------------|---------|------|------|-------|
|                  |                 | A19     | A21  | BR30 | PAR38 |
| <b>1102P1</b>    | Non-IC          | 100W    | 150W | 85W  | —     |
| <b>1103R</b>     | Non-IC exist.   | 100W    | 150W | 85W  | —     |
| <b>1100DAICM</b> | Deep AirSeal IC | 100W    | —    | 85W  | 100W  |
| <b>1100DICM</b>  | Deep IC         | 100W    | —    | 85W  | 100W  |

### 6 3/4" Shallow anodized

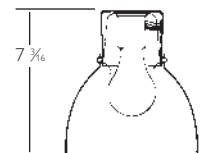


#### A19

| 100W A19 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 28                      | 9'        |  |
| 10'                      | 15                      | 13'       |  |
| 12'                      | 10                      | 16'       |  |
| Multiple units /S.R.=1.2 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 82                      | 67        |  |
| 6'                       | 36                      | 30        |  |
| 8'                       | 20                      | 17        |  |

#### PAR30

| 75W PAR30 FL (T-H)       |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 75                      | 4'        |  |
| 10'                      | 40                      | 5'        |  |
| 12'                      | 25                      | 7'        |  |
| Multiple units /S.R.=0.7 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 80                      | 69        |  |
| 6'                       | 36                      | 31        |  |
| 8'                       | 20                      | 17        |  |



#### Reflector

|               |                |
|---------------|----------------|
| <b>1143</b>   | Specular gold  |
| <b>1144</b>   | Specular clear |
| <b>1144CD</b> | Clear diffuse  |

| Frame-in kit     | Ceiling          | Lamping  |         |         |      |
|------------------|------------------|----------|---------|---------|------|
|                  |                  | A19      | BR30    | PAR30   | BR40 |
| <b>1102P1</b>    | Non-IC           | 100W     | —       | —       | —    |
| <b>1103R</b>     | Non-IC exist.    | 100W     | —       | —       | —    |
| <b>1104ICX**</b> | AirSeal IC       | 100W     | —       | —       | —    |
| <b>1100DAICM</b> | Deep AirSeal IC  | 100W     | —       | —       | —    |
| <b>1100DICM</b>  | Deep IC          | 100W     | —       | —       | —    |
| <b>1104IC**</b>  | IC/Non-IC        | 75W/100W | 85W/85W | 75W/75W | —    |
| <b>1104ICR</b>   | IC/Non-IC exist. | 75W/100W | 85W/85W | 75W/75W | —    |
| <b>1100IC</b>    | IC               | 100W     | —       | —       | —    |
| <b>1100AICM</b>  | AirSeal IC       | 100W     | —       | —       | —    |

### 6 3/4" Deep anodized

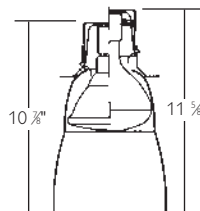


#### BR40

| 150W BR40 FL Single      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 68                      | 4'        |  |
| 10'                      | 37                      | 6'        |  |
| 12'                      | 23                      | 7'        |  |
| Multiple units /S.R.=0.7 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 89                      | 75        |  |
| 6'                       | 40                      | 33        |  |
| 8'                       | 22                      | 19        |  |

#### PAR38

| 250W PAR38 FL (T-H)      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 10'                      | 164                     | 4'        |  |
| 12'                      | 103                     | 5'        |  |
| 14'                      | 70                      | 6'        |  |
| Multiple units /S.R.=0.5 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 217                     | 195       |  |
| 5'                       | 139                     | 124       |  |
| 6'                       | 96                      | 87        |  |



#### Reflector

|               |                |
|---------------|----------------|
| <b>1149</b>   | Specular black |
| <b>1150</b>   | Specular gold  |
| <b>1151</b>   | Specular clear |
| <b>1151CD</b> | Clear diffuse  |

| Frame-in kit  | Ceiling       | Lamping |                 |      |
|---------------|---------------|---------|-----------------|------|
|               |               | PAR38   | PAR38 Cool Beam | BR40 |
| <b>1102P1</b> | Non-IC        | 250W    | 150W            | 150W |
| <b>1103R</b>  | Non-IC exist. | 250W    | 150W            | 150W |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

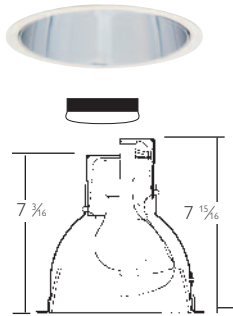


# Lytecaster line voltage

## 6 3/4" Reflector trims

- Aperture cone downlights utilize an Anobrite® aluminum upper reflector for excellent performance. These versatile downlights are 25% more efficient than basic black baffles, offer better glare control, and are available in a wide choice of finishes.
- Cross blade features an aluminum louver that shields the light source and provides a soft, scallop-free beam. Excellent for corridors or lighting kitchen cabinets.
- Die cast step baffle offers excellent glare control and quality in a classic baffled design.

## 6 3/4" Aperture cone



### A19

#### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 14                      | 14"       |
| 10'          | 8                       | 19"       |
| 12'          | 5                       | 23"       |

#### Multiple units /S.R.=1.6

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 74          | 59        |
| 6'           | 33          | 26        |
| 8'           | 19          | 15        |

### PAR38

#### 120W PAR38 FL (T-H)

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 119                     | 4'        |
| 10'          | 64                      | 5'        |
| 12'          | 40                      | 7'        |

#### Multiple units /S.R.=0.7

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 125         | 108       |
| 6'           | 55          | 48        |
| 8'           | 31          | 27        |

## Frame-in

## Lamping

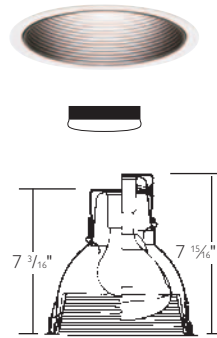
| kit       | Ceiling          | A19      | A21  | BR40        | PAR38      |
|-----------|------------------|----------|------|-------------|------------|
| 1102P1    | Non-IC           | 100W     | 150W | 150W        | 150W       |
| 1103R     | Non-IC exist.    | 100W     | 150W | 150W        | 150W       |
| 1104ICX** | AirSeal IC       | 60W      | —    | 120W (100W) | 100W (90W) |
| 1100DAICM | Deep AirSeal IC  | 75W      | —    | 100W        | 90W        |
| 1100DICM  | Deep IC          | 75W      | —    | 100W        | 90W        |
| 1104IC**  | IC/Non-IC        | 60W/100W | —    | 65W/150W    | 75W/100W   |
| 1104ICR   | IC/Non-IC exist. | 60W/100W | —    | 65W/150W    | 75W/100W   |
| 1100IC    | IC               | 75W      | —    | 100W        | 90W        |
| 1100AICM  | AirSeal IC       | 75W      | —    | 100W        | 90W        |

## Reflector

|        |                |          |                                      |
|--------|----------------|----------|--------------------------------------|
| 1108   | Brushed gold   | 1108NM   | Brushed gold, natural metal flange   |
| 1110   | Brushed clear  | 1110NM   | Brushed clear, natural metal flange  |
| 1112   | Specular gold  | 1112NM   | Specular gold, natural metal flange  |
| 1113   | Specular clear | 1113NM   | Specular clear, natural metal flange |
| 1113BK | Specular black | 1113BKNM | Specular black, natural metal flange |
| 1113CD | Clear diffuse  | 1113CDNM | Clear diffuse, natural metal flange  |
| 1113WH | Matte white    |          |                                      |

( ) = Wattage for 1113BK & 1113BKNM

## 6 3/4" Step baffle



### A19

#### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 11                      | 10"       |
| 10'          | 6                       | 13"       |
| 12'          | 4                       | 17"       |

#### Multiple units /S.R.=1.3

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 37          | 31        |
| 6'           | 16          | 14        |
| 8'           | 9           | 8         |

### PAR38

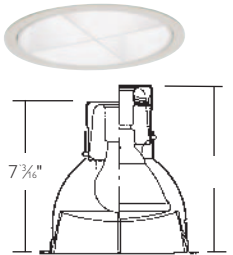
#### 120W PAR38 FL (T-H)

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 191                     | 2'        |
| 10'          | 103                     | 3'        |
| 12'          | 64                      | 4'        |

#### Multiple units /S.R.=0.4

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 109         | 96        |
| 6'           | 49          | 43        |
| 8'           | —           | —         |

## 6 3/4" Cross blade



### A19

#### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 8                       | 14"       |
| 10'          | 4                       | 20"       |
| 12'          | 3                       | 25"       |

#### Multiple units /S.R.=1.8

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 57          | 43        |
| 6'           | 25          | 19        |
| 8'           | 14          | 11        |

### PAR38

#### 150W PAR38 FL (T-H)

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 153                     | 2'        |
| 10'          | 82                      | 3'        |
| 12'          | 51                      | 4'        |

#### Multiple units /S.R.=0.4

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 100         | 87        |
| 6'           | 45          | 39        |
| 8'           | —           | —         |

## Reflector

|         |  |
|---------|--|
| 1105    | Matte black                                |
| 1105NM  | Matte black, natural metal flange          |
| 1105BNM | Natural metal baffle, natural metal flange |
| 1105WH  | Matte white                                |

## Frame-in

## Lamping

| kit       | Ceiling          | A19  | A21  | BR30 | BR40 | PAR38 |
|-----------|------------------|------|------|------|------|-------|
| 1102P1    | Non-IC           | 100W | 150W | —    | 150W | 150W  |
| 1103R     | Non-IC exist.    | 100W | 150W | —    | 150W | 150W  |
| 1104ICX** | AirSeal IC       | 60W  | —    | —    | 100W | 90W   |
| 1100DAICM | Deep AirSeal IC  | 60W  | —    | —    | 100W | 100W  |
| 1100DICM  | Deep IC          | 60W  | —    | —    | 100W | 100W  |
| 1104IC**  | IC/Non-IC        | 40W/ | —    | 75W/ | 65W/ | 75W/  |
|           |                  | 75W  | —    | 85W  | 120W | 90W   |
| 1104ICR   | IC/Non-IC exist. | 40W/ | —    | 75W/ | 65W/ | 75W/  |
|           |                  | 75W  | —    | 85W  | 120W | 90W   |
| 1100IC    | IC               | 60W  | —    | —    | 100W | 100W  |
| 1100AICM  | AirSeal IC       | 60W  | —    | —    | 100W | 100W  |



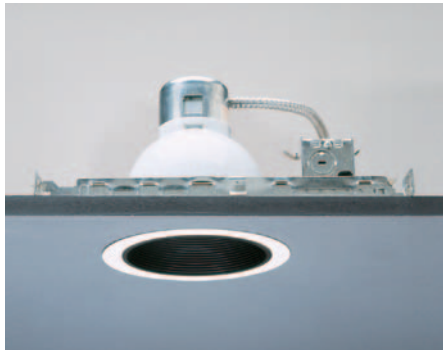
Accepts Lytegems, see page 1.333.

| Reflector | Frame-in | Lamping   |                  |         |         |      |
|-----------|----------|-----------|------------------|---------|---------|------|
|           |          | Ceiling   | A19              | PAR30   | PAR38   |      |
| 1132      | White    | kit       |                  |         |         |      |
|           |          | 1102P1    | Non-IC           | 100W    | —       | 150W |
|           |          | 1103R     | Non-IC exist.    | 100W    | —       | 150W |
|           |          | 1104ICX** | AirSeal IC       | 52W     | 75W     | —    |
|           |          | 1100DAICM | Deep AirSeal IC  | 60W     | —       | 90W  |
|           |          | 1100DICM  | Deep IC          | 60W     | —       | 90W  |
|           |          | 1104IC**  | IC/Non-IC        | 40W/60W | 50W/75W | —    |
|           |          | 1104ICR   | IC/Non-IC exist. | 40W/60W | 50W/75W | —    |
|           |          | 1100IC    | IC               | 60W     | 75W     | —    |
|           |          | 1100AICM  | AirSeal IC       | 60W     | 75W     | —    |

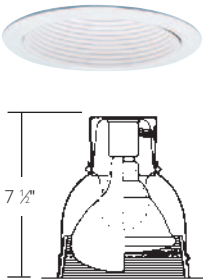
# Lytecaster line voltage

## 6 3/4" Reflector trims

- Basic baffle features a Perma White upper reflector and a phenolic baffle to reduce glare.
- Shallow plenum baffle is compatible with 6 3/4" Shallow Lytening, which fits into 2" x 6" construction.



### 6 3/4" Basic baffle



#### A19

| 100W A19 Single Unit     |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 11                      | 8'        |  |
| 10'                      | 6                       | 11'       |  |
| 12'                      | 4                       | 14'       |  |
| Multiple units /S.R.=1.1 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 34                      | 27        |  |
| 6'                       | 15                      | 12        |  |
| 8'                       | 8                       | 7         |  |

#### BR40

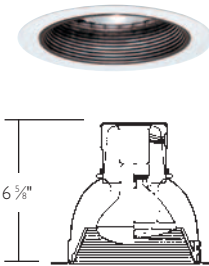
| 150W BR40 FL Single      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 39                      | 6'        |  |
| 10'                      | 21                      | 9'        |  |
| 12'                      | 13                      | 11'       |  |
| Multiple units /S.R.=0.9 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 84                      | 68        |  |
| 6'                       | 37                      | 30        |  |
| 8'                       | 21                      | 17        |  |

Reflector

- 1176 Black
- 1176WH Gloss white

| kit       | Ceiling          | Lamping |      |      |       |
|-----------|------------------|---------|------|------|-------|
|           |                  | A19     | BR30 | BR40 | PAR38 |
| 1102P1    | Non-IC           | 100W    | —    | 150W | 150W  |
| 1103R     | Non-IC exist.    | 100W    | —    | 150W | 150W  |
| 1104ICX** | AirSeal® IC      | 52W     | —    | 90W  | 90W   |
| 1100DAICM | Deep AirSeal® IC | 40W     | —    | 100W | 90W   |
| 1100DICM  | Deep IC          | 40W     | —    | 100W | 90W   |
| 1104IC**  | IC/Non-IC        | 40W/    | 65W/ | 65W/ | — /   |
|           |                  | 60W     | 85W  | 120W | 90W   |
| 1104ICR   | IC/Non-IC exist. | 40W/    | 65W/ | 65W/ | — /   |
|           |                  | 60W     | 85W  | 120W | 90W   |
| 1100IC    | IC               | 40W     | —    | 100W | 90W   |
| 1100AICM  | AirSeal® IC      | 40W     | —    | 100W | 90W   |

### 6 3/4" Basic baffle



#### A19

| 75W A19 Single Unit      |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 5                       | 14'       |  |
| 10'                      | 3                       | 19'       |  |
| 12'                      | 2                       | 23'       |  |
| Multiple units /S.R.=1.4 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 21                      | 16        |  |
| 6'                       | 9                       | 7         |  |
| 8'                       | 5                       | 4         |  |

#### PAR30

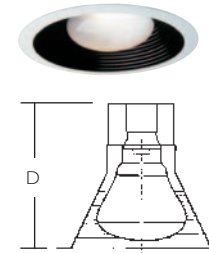
| 75W PAR30 FL (TH)        |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |  |
| 8'                       | 75                      | 4'        |  |
| 10'                      | 40                      | 5'        |  |
| 12'                      | 25                      | 7'        |  |
| Multiple units /S.R.=0.7 |                         |           |  |
| Ctr. to Ctr.             | Footcandles             |           |  |
|                          | Lrg. Room               | Sml. Room |  |
| 4'                       | 74                      | 69        |  |
| 6'                       | 33                      | 29        |  |
| 8'                       | 19                      | 16        |  |

Reflector

- 1179M1 Black baffle
- 1179WH Gloss white

| kit       | Ceiling          | Lamping |         |           |         |
|-----------|------------------|---------|---------|-----------|---------|
|           |                  | A19     | BR30    | PAR30     | PAR38   |
| 1102P1    | Non-IC           | 75W     | 85W     | 75W       | —       |
| 1103R     | Non-IC exist.    | 75W     | 85W     | 75W       | —       |
|           |                  |         |         | Long neck | —       |
| 1104ICX** | AirSeal® IC      | —       | 85W     | 75W       | —       |
|           |                  |         |         | Long neck | —       |
| 1100DAICM | Deep AirSeal IC  | —       | 85W     | 75W       | —       |
|           |                  |         |         | Long neck | —       |
| 1100DICM  | Deep IC          | —       | 85W     | 75W       | —       |
|           |                  |         |         | Long neck | —       |
| 1104IC**  | IC/Non-IC        | —       | 85W/85W | 75W/75W   | 90W/90W |
|           |                  |         |         | Long neck | —       |
| 1104ICR   | IC/Non-IC exist. | —       | 85W/85W | 75W/75W   | 90W/90W |
|           |                  |         |         | Long neck | —       |
| 1100IC    | IC               | —       | 85W     | 75W       | —       |
| 1100AICM  | AirSeal® IC      | —       | 85W     | 75W       | —       |

### 6 3/4" Shallow plenum baffle

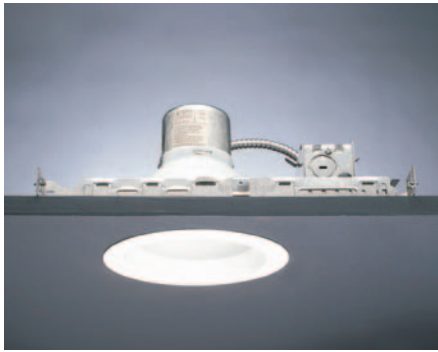


| kit      | Ceiling                   | Lamping |               |
|----------|---------------------------|---------|---------------|
|          |                           | BR30    | PAR30         |
| 1104IC** | IC/Non-IC                 | 65W/85W | 75W Long neck |
| 1104ICR  | IC/Non-IC exist.          | 65W/85W | 75W Long neck |
| 1104SIC* | Shallow IC/ Non-IC        | 65W/85W | 75W Long neck |
| 1104SICR | Shallow IC/ Non-IC exist. | 65W/85W | 75W Long neck |

Reflector

- B16 Gloss white splay
- B17 Black baffle
- B17WH Gloss white baffle

\* For nail version add "N" suffix.  
 \*\* For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 D: See compatible FIK for depth – page 1.280.



# Lytecaster line voltage

## 6 3/4" Reflector trims

Basic White Reflectors feature a low brightness splay and aluminum Perma White painted reflector that resists scratches and corrosion; an excellent choice for budget-conscious applications.

### 6 3/4" Basic white reflector

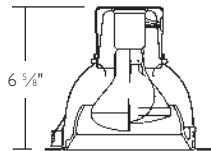


#### A19

| 75W A19 Single Unit      |                         |           |
|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |
| 8'                       | 7                       | 13'       |
| 10'                      | 4                       | 18'       |
| 12'                      | 2                       | 22'       |
| Multiple units /S.R.=1.3 |                         |           |
| Ctr. to Ctr.             | Footcandles             |           |
|                          | Lrg. Room               | Sml. Room |
| 4'                       | 31                      | 23        |
| 6'                       | 14                      | 10        |
| 8'                       | 8                       | 6         |

#### BR30

| 85W BR30 FL Single       |                         |           |
|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |
| 8'                       | 22                      | 8'        |
| 10'                      | 12                      | 11'       |
| 12'                      | 8                       | 13'       |
| Multiple units /S.R.=0.9 |                         |           |
| Ctr. to Ctr.             | Footcandles             |           |
|                          | Lrg. Room               | Sml. Room |
| 4'                       | 58                      | 46        |
| 6'                       | 26                      | 20        |
| 8'                       | 14                      | 12        |



Reflector

1170M1 Gloss white

| Frame-in kit | Ceiling          | Lamping |         |               |
|--------------|------------------|---------|---------|---------------|
|              |                  | A19     | BR30    | PAR30         |
| 1102P1       | Non-IC           | 75W     | 85W     | 75W Long neck |
| 1103R        | Non-IC exist.    | 75W     | 85W     | 75W Long neck |
| 1104ICX**    | AirSeal® IC      | —       | 85W     | 75W           |
| 1100DAICM    | Deep AirSeal® IC | —       | 85W     | 75W Long neck |
| 1100DICM     | Deep IC          | —       | 85W     | 75W Long neck |
| 1104IC**     | IC/Non-IC        | —       | 85W/85W | 75W/75W       |
| 1104ICR      | IC/Non-IC exist. | —       | 85W/85W | 75W/75W       |
| 1100IC       | IC               | —       | 85W     | 75W           |
| 1100AICM     | AirSeal® IC      | —       | 85W     | 75W           |

### 6 3/4" Basic white reflector

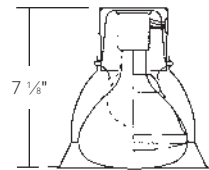


#### A19

| 100W A19 Single Unit     |                         |           |
|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |
| 8'                       | 14                      | 11'       |
| 10'                      | 8                       | 16'       |
| 12'                      | 5                       | 20'       |
| Multiple units /S.R.=1.1 |                         |           |
| Ctr. to Ctr.             | Footcandles             |           |
|                          | Lrg. Room               | Sml. Room |
| 4'                       | 61                      | 46        |
| 6'                       | 27                      | 20        |
| 8'                       | 15                      | 12        |

#### BR40

| 150W BR40 FL Single      |                         |           |
|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30" above floor | Beam Dia. |
| 8'                       | 40                      | 6'        |
| 10'                      | 21                      | 9'        |
| 12'                      | 13                      | 11'       |
| Multiple units /S.R.=0.8 |                         |           |
| Ctr. to Ctr.             | Footcandles             |           |
|                          | Lrg. Room               | Sml. Room |
| 4'                       | 97                      | 76        |
| 6'                       | 43                      | 34        |
| 8'                       | 24                      | 19        |



Reflector

1171 Gloss white

| Frame-in kit | Ceiling          | Lamping |          |          |          |
|--------------|------------------|---------|----------|----------|----------|
|              |                  | A19     | BR40     | PAR38    | R40 Heat |
| 1102P1       | Non-IC           | 100W    | 150W     | 150W     | 250W     |
| 1103R        | Non-IC exist.    | 100W    | 150W     | 150W     | 250W     |
| 1104ICX**    | AirSeal® IC      | 60W     | 120W     | 100W     | —        |
| 1100DAICM    | Deep AirSeal® IC | 60W     | 100W     | 90W      | —        |
| 1100DICM     | Deep IC          | 60W     | 100W     | 90W      | —        |
| 1104IC**     | IC/Non-IC        | 52W/75W | 85W/120W | 75W/150W | —        |
| 1104ICR      | IC/Non-IC exist. | 52W/75W | 85W/120W | 75W/150W | —        |
| 1100IC       | IC               | 60W     | 100W     | 90W      | —        |
| 1100AICM     | AirSeal® IC      | 60W     | 100W     | 90W      | —        |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

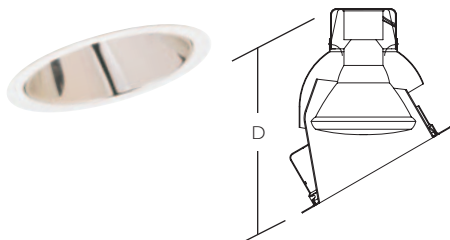
# Lytecaster line voltage

## 6 3/4" Slope ceiling

These reflectors provide glare-free general downlighting for both steep and shallow sloped ceilings. Each reflector utilizes a single insulated ceiling Frame-in kit for all slopes. Each downlight features a 6 3/4" round opening that precisely matches conventional 6 3/4" downlights in shape and finish.



## 6 3/4" Complete slope: 14°(3/12)–45°(12/12) ▲



### Reflector

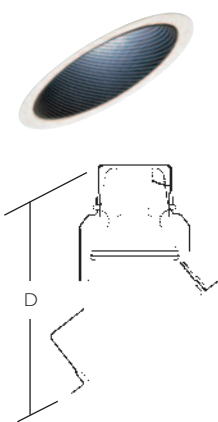
| Reflector                         | PAR38 Lamping<br>1100IC/1100AICM | 1104ICX** |
|-----------------------------------|----------------------------------|-----------|
| <b>1154†</b> Black step baffle    | 90W                              | 90W       |
| <b>1154BK†</b> Specular black     | 90W                              | 90W       |
| <b>1154CD†</b> Clear diffuse      | 120W                             | 120W      |
| <b>1154CL†</b> Specular clear     | 120W                             | 90W       |
| <b>1154GD†</b> Specular gold      | 120W                             | 120W      |
| <b>1154GWB</b> Gloss white baffle | 90W                              | 90W       |
| <b>1154GWC</b> Gloss white cone   | 90W                              | 90W       |
| <b>1154MW</b> Matte white cone    | 90W                              | 90W       |
| <b>1154WH</b> White step baffle   | 90W                              | 90W       |

† Available with natural metal flange. Add NM to number when ordering.

### Sloped Ceiling

- **Complete slope** provides full adjustment from 14° – 45° (3/12-12/12) and up to 120 Watt PAR38 lambing.
- **Shallow slope** reflector is designed for ceilings sloped from 14° – 30° (3/12 – 7/12 pitch).
- **Steep slope** reflector should be used for ceilings from 30° – 45° (7/12 – 12/12 pitch).
- **Step baffles** feature grooves cut parallel to the floor to match the appearance of standard baffles.
- Uses Lytening IC Frame-in Kit. Design allows lamp to be more deeply recessed than other sloped ceiling downlights (even on the up-slope side) to achieve very low glare.
- Unique design minimizes trapped light allowing 75W PAR30 lambing to equal the output of fixtures using 90W PAR38 lamps.

## 6 3/4" Steep slope: 30°(7/12)–45°(12/12) ▲



| 75W PAR30 FL (T-H) |                         |           |
|--------------------|-------------------------|-----------|
| Ht. to Floor       | F.C. at 30° above floor | Beam Dia. |
| 8'                 | 36"                     | 4'        |
| 10'                | 20"                     | 6'        |
| 12'                | 12"                     | 7'        |

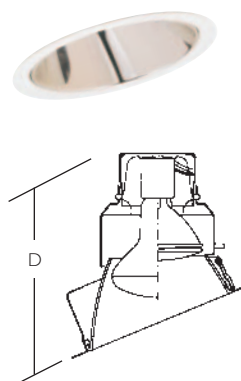
| 75W PAR30 NFL (T-H) |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 10'                 | 53"                     | 4'        |
| 12'                 | 33"                     | 5'        |
| 14'                 | 23"                     | 7'        |
| 16'                 | 16"                     | 8'        |

| 75W PAR30 NSP (T-H) |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 18'                 | 44"                     | 3'        |
| 20'                 | 34"                     | 4'        |
| 22'                 | 28"                     | 4'        |
| 24'                 | 23"                     | 5'        |

### Reflector

| Reflector                       | Frame-in kit     | Ceiling    | Lamping PAR30 |
|---------------------------------|------------------|------------|---------------|
| <b>1133</b> Black step baffle   |                  |            |               |
| <b>1133WH</b> White step baffle | <b>1104ICX**</b> | AirSeal IC | 75W           |
| <b>1133CL</b> Specular clear    | <b>1100IC</b>    | IC         | 75W           |
| <b>1133GD</b> Specular gold     | <b>1100AICM</b>  | AirSeal IC | 75W           |
| <b>1133BK</b> Specular black    |                  |            |               |

## 6 3/4" Shallow slope: 14°(3/12)–30°(7/12) ▲



### Reflector

|                                 |  |
|---------------------------------|--|
| <b>1131</b> Black step baffle   |  |
| <b>1131WH</b> White step baffle |  |
| <b>1131CL</b> Specular clear    |  |
| <b>1131GD</b> Specular gold     |  |
| <b>1131BK</b> Specular black    |  |

| BR30         |                         |           | PAR30        |                         |           |
|--------------|-------------------------|-----------|--------------|-------------------------|-----------|
| Ht. to Floor | F.C. at 30° above floor | Beam Dia. | Ht. to Floor | F.C. at 30° above floor | Beam Dia. |
| 8'           | 12"                     | 7'        | 8'           | 36"                     | 4'        |
| 10'          | 7"                      | 10'       | 10'          | 20"                     | 6'        |
| 12'          | 4"                      | 12'       | 12'          | 12"                     | 7'        |

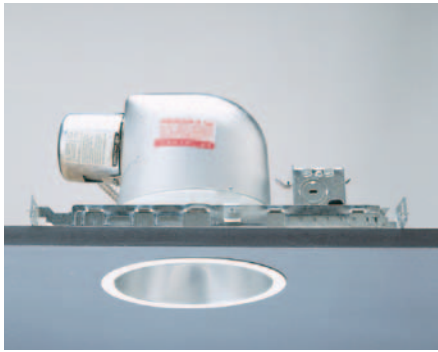
| 75W BR30 FL Single Unit |                         |           | 75W PAR30 FL (T-H) |                         |           |
|-------------------------|-------------------------|-----------|--------------------|-------------------------|-----------|
| Ht. to Floor            | F.C. at 30° above floor | Beam Dia. | Ht. to Floor       | F.C. at 30° above floor | Beam Dia. |
| 8'                      | 12"                     | 7'        | 8'                 | 36"                     | 4'        |
| 10'                     | 7"                      | 10'       | 10'                | 20"                     | 6'        |
| 12'                     | 4"                      | 12'       | 12'                | 12"                     | 7'        |

| 75W BR30 SP Single Unit |                         |           | 75W PAR30 NFL (T-H) |                         |           |
|-------------------------|-------------------------|-----------|---------------------|-------------------------|-----------|
| Ht. to Floor            | F.C. at 30° above floor | Beam Dia. | Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 8'                      | 53"                     | 3'        | 10'                 | 53"                     | 4'        |
| 10'                     | 28"                     | 4'        | 12'                 | 33"                     | 5'        |
| 12'                     | 18"                     | 5'        | 14'                 | 23"                     | 7'        |
|                         |                         |           | 16'                 | 16"                     | 8'        |

| 75W PAR30 NSP (T-H) |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30° above floor | Beam Dia. |
| 18'                 | 44"                     | 3'        |
| 20'                 | 34"                     | 4'        |
| 22'                 | 28"                     | 4'        |
| 24'                 | 23"                     | 5'        |

| Frame-in kit     | Ceiling    | Lamping BR30 | Lamping PAR30 |
|------------------|------------|--------------|---------------|
| <b>1104ICX**</b> | AirSeal IC | 85W          | 75W           |
| <b>1100IC</b>    | IC         | 65W          | 75W           |
| <b>1100AICM</b>  | AirSeal IC | 65W          | 75W           |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 D: See compatible FIK for depth – page 1.280.

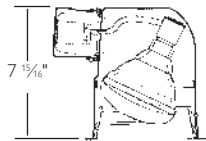
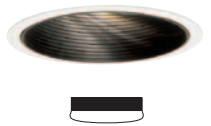


# Lytecaster line voltage

## 6 3/4" Accent lighting

Recessed adjustables offer inconspicuous accent lighting for horizontal and vertical surfaces and can be easily coordinated with Step Baffle and Aperture Cone downlights.

### 6 3/4" Recessed adjustable



Vertical tilt: 30°

#### Reflector

| Frame-in kit     | Ceiling         | Lamping | BR30 | BR40 | PAR38 |
|------------------|-----------------|---------|------|------|-------|
| <b>1102P1</b>    | Non-IC          | 85W     | 150W | 150W |       |
| <b>1103R</b>     | Non-IC exist    | 85W     | 150W | 150W |       |
| <b>1100DAICM</b> | Deep AirSeal IC | 85W     | 90W  | —    |       |
| <b>1100DICM</b>  | Deep IC         | 85W     | 90W  | —    |       |

### 6 3/4" Recessed adjustable



Vertical tilt: 30°

#### Reflector

| Frame-in kit     | Ceiling         | Lamping | BR30 | BR40 | PAR38 |
|------------------|-----------------|---------|------|------|-------|
| <b>1102P1</b>    | Non-IC          | 85W     | —    | 90W  |       |
| <b>1103R</b>     | Non-IC exist    | 85W     | —    | 90W  |       |
| <b>1104ICX**</b> | AirSeal IC      | 65W     | 90W  | 90W  |       |
| <b>1100DAICM</b> | Deep AirSeal IC | 85W     | —    | 90W  |       |
| <b>1100DICM</b>  | Deep IC         | 85W     | —    | 90W  |       |
| <b>1100IC</b>    | IC              | 85W     | —    | 90W  |       |
| <b>1100AICM</b>  | AirSeal IC      | 85W     | —    | 90W  |       |

**1129** Matte black baffle  
**1129CD** Clear diffuse  
**1129WH** Matte white baffle  
**1129BK** Specular black  
**1129CL** Specular clear  
**1129GD** Specular gold

|                 |  |
|-----------------|--|
| <b>1129NM</b>   | Black baffle, natural metal flange         |
| <b>1129BNM</b>  | Natural metal baffle, natural metal flange |
| <b>1129BKNM</b> | Specular black, natural metal flange       |
| <b>1129CDNM</b> | Clear diffuse, natural metal flange        |
| <b>1129CLNM</b> | Specular clear, natural metal flange       |
| <b>1129GDNM</b> | Specular gold, natural metal flange        |

### 6 3/4" Step baffle eyeball

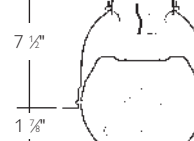


Vertical tilt: 40°

#### Reflector

|               |                         |
|---------------|-------------------------|
| <b>1122</b>   | Eyeball w/ black baffle |
| <b>1122WH</b> | Eyeball w/ white baffle |

### 6 3/4" Basic eyeball



#### Reflector

|             |                     |
|-------------|---------------------|
| <b>1182</b> | Gloss white eyeball |
|-------------|---------------------|

| Frame-in kit     | Ceiling         | Lamping       | PAR30 | BR30 |
|------------------|-----------------|---------------|-------|------|
| <b>1102P1</b>    | Non-IC          | 75W Long neck | 85W   |      |
| <b>1103R</b>     | Non-IC exist    | 75W Long neck | 85W   |      |
| <b>1100DAICM</b> | Deep AirSeal IC | 75W Long neck | 85W   |      |
| <b>1100DICM</b>  | Deep IC         | 75W Long neck | 85W   |      |
| <b>1104ICX**</b> | AirSeal IC      | 75W Long neck | 85W   |      |
| <b>1104IC**</b>  | IC/Non-IC       | 75W Long neck | 85W   |      |
| <b>1104ICR</b>   | IC/Non-IC exist | 75W Long neck | 85W   |      |
| <b>1100IC</b>    | IC              | 75W Long neck | 85W   |      |
| <b>1100AICM</b>  | AirSeal IC      | 75W Long neck | 85W   |      |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 Accepts Lytegems, see page 1.333.



# Lytecaster line voltage

## 6 3/4" Accent lighting

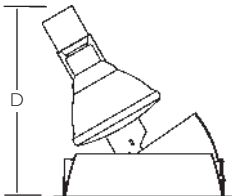
Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces. It is typically achieved with adjustable downlights whose beams can be carefully aimed.



## 7 1/2" Performance PAR recessed adjustable



| Frame-in kit  | Ceiling | Lamping              |
|---------------|---------|----------------------|
| <b>1700P1</b> | Non-IC  | <b>PAR38</b><br>150W |



Vertical tilt: 35°

### Reflector

- 1738CL†** Specular clear
- 1738GD†** Specular gold

### Performance PAR recessed adjustable

Adjustment yoke (35° tilt)



Interior cut-off shield prevents view into fixture from below.

Deeply recessed lamp for superior glare control.



### Performance PAR recessed accent

Designed for high impact accent lighting, this selection of reflector trims can be carefully aimed to deliver light exactly where it is needed.

- **7 1/2" Performance PAR adjustable** utilizes the PAR38 lamp to provide powerful, deeply recessed accent lighting in retail and commercial applications.

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 † These trims require special enclosed Non-IC Frame-in Kits.



# Lytecaster line voltage

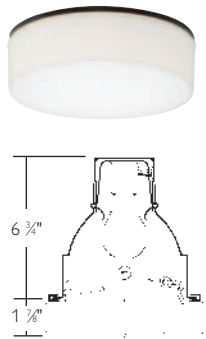


## 6 3/4" Enclosed wet location trims

These elegant dropped glass diffusers provide high quality ambient lighting and are suitable for showers, spas and other wet locations.

- Opal Disk features a Triplex Opal glass diffuser (two layers of clear glass surrounding an Opal layer) that provides widespread, even illumination.
- Opal Dome features Triplex Opal glass molded into a soft dome shape.
- Cratere Dome uses textured Cratere glass (acid-etched outer surface with sandblasted inner surface) and provides maximum light output with a distinctive look.

### 6 3/4" Opal disk



#### A19

##### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 8                       | 16'       |
| 10'          | 5                       | 21'       |
| 12'          | 3                       | 27'       |

##### Multiple units /S.R.=1.2

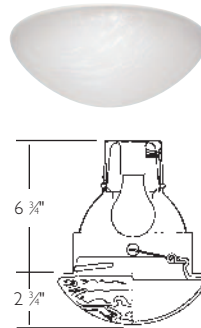
| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 43          | 31        |
| 6'           | 19          | 14        |
| 8'           | 11          | 8         |

| Frame-in kit     | Ceiling          | Lamping A19 |
|------------------|------------------|-------------|
| <b>1102P1</b>    | Non-IC           | 100W        |
| <b>1103R</b>     | Non-IC Exist.    | 100W        |
| <b>1104ICX**</b> | AirSeal IC       | 52W         |
| <b>1100DAICM</b> | Deep AirSeal IC  | 60W         |
| <b>1100DICM</b>  | Deep IC          | 60W         |
| <b>1104IC**</b>  | IC/Non-IC        | 40W/75W     |
| <b>1104ICR</b>   | IC/Non-IC Exist. | 40W/75W     |
| <b>1100IC</b>    | IC               | 60W         |
| <b>1100AICM</b>  | AirSeal IC       | 60W         |

#### Reflector

**1121** Opal Glass

### 6 3/4" Cratere dome



#### A19

##### 100W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 12                      | 14'       |
| 10'          | 7                       | 19'       |
| 12'          | 4                       | 23'       |

##### Multiple units /S.R.=1.2

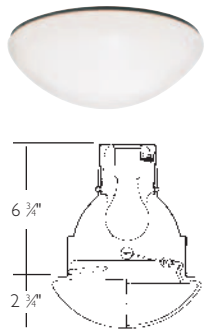
| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 44          | 31        |
| 6'           | 19          | 14        |
| 8'           | 11          | 8         |

| Frame-in kit     | Ceiling          | Lamping A19 |
|------------------|------------------|-------------|
| <b>1102P1</b>    | Non-IC           | 100W        |
| <b>1103R</b>     | Non-IC Exist.    | 100W        |
| <b>1104ICX**</b> | AirSeal IC       | 60W         |
| <b>1100DAICM</b> | Deep AirSeal IC  | 60W         |
| <b>1100DICM</b>  | Deep IC          | 60W         |
| <b>1104IC**</b>  | IC/Non-IC        | 40W/75W     |
| <b>1104ICR</b>   | IC/Non-IC Exist. | 40W/75W     |
| <b>1100IC</b>    | IC               | 60W         |
| <b>1100AICM</b>  | AirSeal IC       | 60W         |

#### Reflector

**1124** Cratere Glass

### 6 3/4" Opal dome



#### A19

##### 75W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 3                       | 24'       |
| 10'          | 2                       | 32'       |
| 12'          | 1                       | 41'       |

##### Multiple units /S.R.=1.3

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 21          | 14        |
| 6'           | 9           | 6         |
| 8'           | 5           | 4         |

| Frame-in kit     | Ceiling         | Lamping A19 |
|------------------|-----------------|-------------|
| <b>1102P1</b>    | Non-IC          | 75W         |
| <b>1103R</b>     | Non-IC Exist.   | 75W         |
| <b>1104ICX**</b> | AirSeal IC      | 40W         |
| <b>1100DAICM</b> | Deep AirSeal IC | 40W         |
| <b>1100DICM</b>  | Deep IC         | 40W         |
| <b>1104IC**</b>  | Non-IC          | 60W         |
| <b>1104ICR</b>   | Non-IC Exist.   | 60W         |
| <b>1100IC</b>    | IC              | 40W         |
| <b>1100AICM</b>  | AirSeal IC      | 40W         |

#### Reflector

**1134** Opal Glass

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

# Lytecaster line voltage

## 6 3/4" Enclosed wet location trims

These fully enclosed wet location downlights are an excellent choice for closets, kitchens and showers. Lenses clean easily – excellent for use in dirt prone areas.

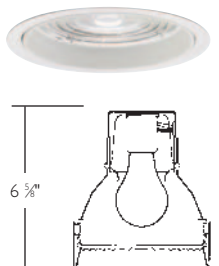
- Fresnel lenslite: the fresnel lenslite redirects the light from economical a-lamps to provide concentrated low brightness lighting.
- White diffuser lenslite: the white diffuser lenslite provides broad diffusion while completely concealing the light source.



### 6 3/4" Fresnel lenslite



**A19**



| 100W A19 Single Unit |                         |           |
|----------------------|-------------------------|-----------|
| Ht. to Floor         | F.C. at 30" above floor | Beam Dia. |
| 8'                   | 12                      | 11'       |
| 10'                  | 7                       | 14'       |
| 12'                  | 4                       | 18'       |

| Multiple units /S.R.=1.5 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 53          | 40        |
| 6'                       | 23          | 18        |
| 8'                       | 13          | 10        |

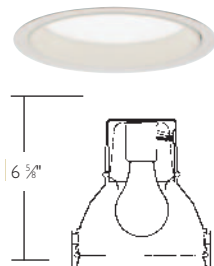
| Reflector   |              |
|-------------|--------------|
| <b>1126</b> | Fresnel Lens |

| Frame-in kit     | Ceiling         | Lamping A19 |
|------------------|-----------------|-------------|
| <b>1102P1</b>    | Non-IC          | 100W        |
| <b>1103R</b>     | Non-IC Exist.   | 100W        |
| <b>1104ICX**</b> | AirSeal IC      | 52W         |
| <b>1100DAICM</b> | Deep AirSeal IC | 60W         |
| <b>1100DICM</b>  | Deep IC         | 60W         |
| <b>1104IC**</b>  | Non-IC          | 60W         |
| <b>1104ICR</b>   | Non-IC Exist.   | 60W         |
| <b>1100IC</b>    | IC              | 60W         |
| <b>1100AICM</b>  | AirSeal IC      | 60W         |

### 6 3/4" White diffuser



**A19**



| 100W A19 Single Unit |                         |           |
|----------------------|-------------------------|-----------|
| Ht. to Floor         | F.C. at 30" above floor | Beam Dia. |
| 8'                   | 12                      | 11'       |
| 10'                  | 6                       | 16'       |
| 12'                  | 4                       | 20'       |

| Multiple units /S.R.=1.0 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 42          | 27        |
| 6'                       | 18          | 12        |
| 8'                       | 10          | 7         |

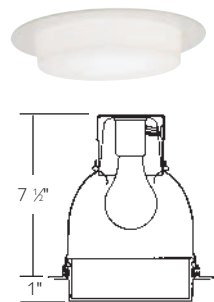
| Reflector   |                |
|-------------|----------------|
| <b>1128</b> | White Diffuser |

| Frame-in kit     | Ceiling         | Lamping A19 |
|------------------|-----------------|-------------|
| <b>1102P1</b>    | Non-IC          | 100W        |
| <b>1103R</b>     | Non-IC Exist.   | 100W        |
| <b>1104ICX**</b> | AirSeal IC      | 52W         |
| <b>1100DAICM</b> | Deep AirSeal IC | 60W         |
| <b>1100DICM</b>  | Deep IC         | 60W         |
| <b>1104IC**</b>  | Non-IC          | 60W         |
| <b>1104ICR</b>   | Non-IC Exist.   | 60W         |
| <b>1100IC</b>    | IC              | 60W         |
| <b>1100AICM</b>  | AirSeal IC      | 60W         |

### 6 3/4" Opalex dropped



**A19**



| 75W A19 Single Unit |                         |           |
|---------------------|-------------------------|-----------|
| Ht. to Floor        | F.C. at 30" above floor | Beam Dia. |
| 8'                  | 5                       | 19'       |
| 10'                 | 3                       | 26'       |
| 12'                 | 2                       | 33'       |

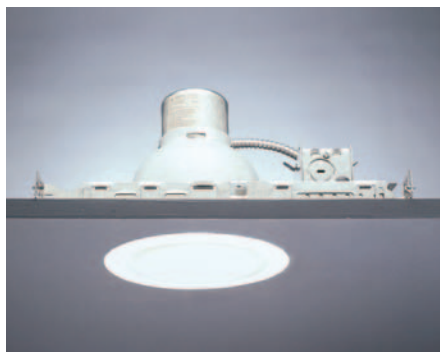
  

| Multiple units /S.R.=1.3 |             |           |
|--------------------------|-------------|-----------|
| Ctr. to Ctr.             | Footcandles |           |
|                          | Lrg. Room   | Sml. Room |
| 4'                       | 27          | 19        |
| 6'                       | 12          | 8         |
| 8'                       | 7           | 5         |

| Reflector     |  |
|---------------|--|
| <b>1178SH</b> |  |

| Frame-in kit     | Ceiling         | Lamping A19 |
|------------------|-----------------|-------------|
| <b>1102P1</b>    | Non-IC          | 75W         |
| <b>1103R</b>     | Non-IC Exist.   | 75W         |
| <b>1104ICX**</b> | AirSeal IC      | 40W         |
| <b>1100DAICM</b> | Deep AirSeal IC | 40W         |
| <b>1100DICM</b>  | Deep IC         | 40W         |
| <b>1104IC**</b>  | Non-IC          | 40W         |
| <b>1104ICR</b>   | Non-IC Exist.   | 40W         |
| <b>1100IC</b>    | IC              | 40W         |
| <b>1100AICM</b>  | AirSeal IC      | 40W         |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.



# Lytecaster line voltage

## 6 3/4" Enclosed wet location trims

- Opalex Flush offers a durable Lexan® diffuser, soft uniform illumination, and twist-off relamping.
- Basic Dropped (Lexan diffuser) and Basic Flush (stippled glass lens) are compatible with 6 3/4" aperture Standard and Shallow Lytensing and 5" Standard Lytensing.

## 6 3/4" Opalex flush



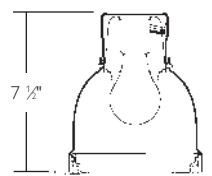
### A19

#### 60W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 3                       | 16'       |
| 10'          | 2                       | 21'       |
| 12'          | 1                       | 27'       |

#### Multiple units /S.R.=1.2

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 17          | 19        |
| 6'           | 8           | 6         |
| 8'           | 4           | 3         |



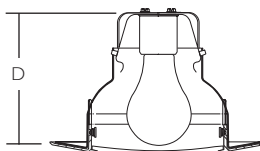
### Reflector

**1177SH** Lexan diffuser

### Frame-in kit Ceiling Lamping A19

| Frame-in kit     | Ceiling         | Lamping A19 |
|------------------|-----------------|-------------|
| <b>1102P1</b>    | Non-IC          | 60W         |
| <b>1103R</b>     | Non-IC Exist.   | 60W         |
| <b>1100DAICM</b> | Deep AirSeal IC | 40W         |
| <b>1100DICM</b>  | Deep IC         | 40W         |
| <b>1104IC**</b>  | Non-IC          | 40W         |
| <b>1104ICR</b>   | Non-IC Exist.   | 40W         |
| <b>1100IC</b>    | IC              | 40W         |
| <b>1100AICM</b>  | AirSeal IC      | 40W         |

## 6 3/4", 5" Basic flush



### Reflector

**1177LX** Glass lens

|               | Frame-in kit    | Ceiling                  | Lamping A19 |
|---------------|-----------------|--------------------------|-------------|
| <b>5"</b>     | <b>1004IC**</b> | IC/Non-IC                | 40W/60W     |
|               | <b>1004ICR</b>  | IC/Non-IC Exist.         | 40W/60W     |
| <b>6 3/4"</b> | <b>1104IC**</b> | IC/Non-IC                | 40W/75W     |
|               | <b>1104ICR</b>  | IC/Non-IC Exist.         | 40W/75W     |
|               | <b>1104SIC*</b> | Shallow IC/Non-IC        | 40W/75W     |
|               | <b>1104SICR</b> | Shallow IC/Non-IC Exist. | 40W/75W     |

## 6 3/4", 5" Basic dropped



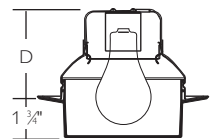
### A19

#### 40W A19 Single Unit

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 6'           | 4                       | 23'       |
| 8'           | 2                       | 36'       |
| 10'          | 1                       | 49'       |

#### Multiple units /S.R.=1.4

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 10          | 7         |
| 6'           | 4           | 3         |
| 8'           | 2           | 2         |



### Reflector

**1178LX** Lexan diffuser

|               | Frame-in kit    | Ceiling                  | Lamping A19 |
|---------------|-----------------|--------------------------|-------------|
| <b>5"</b>     | <b>1004IC**</b> | IC/Non-IC                | 40W/40W     |
|               | <b>1004ICR</b>  | IC/Non-IC Exist.         | 40W/40W     |
| <b>6 3/4"</b> | <b>1104IC**</b> | IC/Non-IC                | 40W/52W     |
|               | <b>1104ICR</b>  | IC/Non-IC Exist.         | 40W/52W     |
|               | <b>1104SIC*</b> | Shallow IC/Non-IC        | 40W/52W     |
|               | <b>1104SICR</b> | Shallow IC/Non-IC Exist. | 40W/52W     |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 D: See compatible FIK for depth – page 1.280.

# Lytecaster line voltage

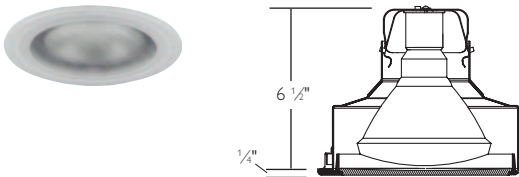
## 6 3/4" Enclosed & open wet location trims

Lensed Wet Location provides high quality ambient lighting and is suitable for showers, spas, Jacuzzis and other wet locations.

Open Wet Location creates a fully UL listed wet location without a lens. Outdoor rated PAR lamps\*\* act as the lens providing up to 75 watts of light in a 6 3/4" aperture. Requires outdoor rated PAR38 lamp. (Sylvania or GE)



### 6 3/4" Lensed wet location

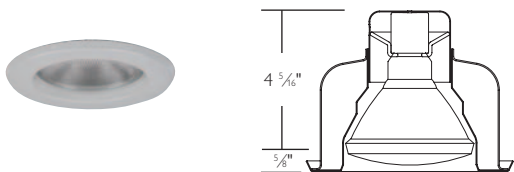


**Reflector**

**1190** Etch white

| Frame-in kit               | Ceiling | Lamping PAR 38 |
|----------------------------|---------|----------------|
| <b>1102P1/1103R</b>        | Non-IC  | 120W           |
| <b>1100IC /1100AICM</b>    | IC      | 90W            |
| <b>1100DICM /1100DAICM</b> | IC      | 75W            |
| <b>1104ICX**</b>           | IC      | 60W            |
| <b>1104IC**/ 1104ICR</b>   | IC      | 45W            |
| <b>1104IC**/ 1104ICR</b>   | Non-IC  | 100W           |

### 6 3/4" Open wet location



**Reflector**

**1184WH** Gloss white  
**1184CD** Clear diffuse

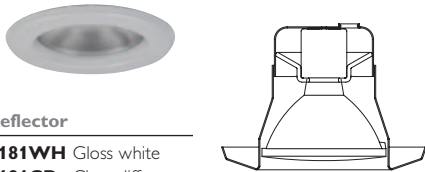
**Frame-in kit**

**Lamping PAR 38**

|                  |     |
|------------------|-----|
| <b>1104ICX**</b> | 75W |
| <b>1100IC</b>    | 75W |
| <b>1100AICM</b>  | 75W |
| <b>1102P1</b>    | 75W |
| <b>1103R</b>     | 75W |

Sylvania or GE outdoor rated lamps only.

### 6 3/4" Open wet location



**Reflector**

**1181WH** Gloss white  
**1181CD** Clear diffuse

| Frame-in kit    | Lamping IC PAR38 | Lamping Non-IC PAR38 |
|-----------------|------------------|----------------------|
| <b>1104IC**</b> | 75W              | 75W                  |
| <b>1104ICR</b>  | 75W              | 75W                  |

Sylvania or GE outdoor rated lamps only.

\* For nail version add "N" suffix.  
\*\* For nail version add "N" suffix.  
For quick connects add "Q" suffix.  
For nail & quick connects add "NQ" suffix.

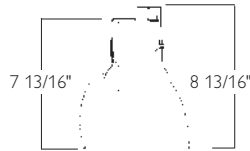
# Lytecaster line voltage



## 6 3/4" Wall washers

Designed to match deep Anodized downlights, these open wall wash downlights provide a smooth uniform wash of light in addition to some room side downlight. They are an excellent way to make a small room appear more spacious. These fixtures are also a good source for lighting shelving or displays.

## 6 3/4" Open downlight wall washer



### Reflector

- 1195** Specular gold
- 1196** Specular clear
- 1196CD** Clear diffuse

( ) = Wattage for 1195

| Distance from ceiling | Footcandles on wall |    |    |    |    |    |
|-----------------------|---------------------|----|----|----|----|----|
|                       | 2'                  |    |    | 3' |    |    |
| <b>150W A21</b>       |                     |    |    |    |    |    |
| 1'                    | 41                  | 39 | 41 | 32 | 22 | 32 |
| 2'                    | 60                  | 60 | 60 | 44 | 35 | 44 |
| 3'                    | 53                  | 54 | 53 | 33 | 30 | 33 |
| 4'                    | 40                  | 41 | 40 | 26 | 29 | 26 |
| 5'                    | 30                  | 30 | 30 | 20 | 21 | 20 |
| 6'                    | 23                  | 23 | 23 | 16 | 16 | 16 |
| 7'                    | 17                  | 18 | 17 | 13 | 13 | 13 |
| 8'                    | 14                  | 14 | 14 | 10 | 10 | 10 |
| 9'                    | 11                  | 11 | 11 | 9  | 9  | 9  |

Note: Data based on a minimum of 5 units

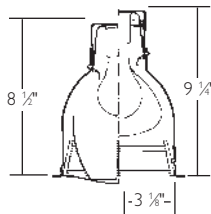
| Frame-in kit     | Ceiling         | Lamping |             |
|------------------|-----------------|---------|-------------|
|                  |                 | A19     | A21         |
| <b>1102P1</b>    | Non-IC          | 100W    | 150W (135W) |
| <b>1100DAICM</b> | Deep AirSeal IC | 75W     | —           |

## Open wall wash

• **6 3/4" Open downlight wall washer** is ideal for all residential and light commercial Line Voltage wall washing applications. Largest aperture and highest wattage lamps provide the smoothest, broadest coverage in higher ceiling applications. Open design matches 6 3/4" deep Anodized downlights (p. 28) and provides a general downlighting component.

• **Step baffle wall washer** provides a high intensity, smooth wash of light up to the ceiling line. Dual reflector optics ensure effective output with economical light sources while the aluminum step baffle reduces glare.

## 6 3/4" Step eyelid baffle wall washer



### Reflector

- 1135** Matte black  
Step baffle
- 1135WH** Matte white  
Step baffle

| Distance from ceiling | A21<br>Footcandles on wall |    |    |    |    |    |
|-----------------------|----------------------------|----|----|----|----|----|
|                       | 2'                         |    |    | 3' |    |    |
| <b>150W A21</b>       |                            |    |    |    |    |    |
| 1'                    | 37                         | 40 | 37 | 31 | 24 | 31 |
| 2'                    | 51                         | 44 | 51 | 37 | 30 | 37 |
| 3'                    | 47                         | 42 | 47 | 32 | 30 | 32 |
| 4'                    | 34                         | 34 | 34 | 22 | 26 | 22 |
| 5'                    | 27                         | 28 | 27 | 17 | 18 | 17 |
| 6'                    | 21                         | 20 | 21 | 13 | 14 | 13 |
| 7'                    | 17                         | 14 | 17 | 11 | 12 | 11 |
| 8'                    | 14                         | 12 | 14 | 8  | 10 | 8  |
| 9'                    | 10                         | 10 | 10 | 6  | 8  | 6  |

Note: Data based on a minimum of 5 units

| Distance from ceiling | BR40<br>Footcandles on wall |    |    |    |    |    |
|-----------------------|-----------------------------|----|----|----|----|----|
|                       | 2'                          |    |    | 3' |    |    |
| <b>150W BR40 FL</b>   |                             |    |    |    |    |    |
| 1'                    | 25                          | 25 | 25 | 18 | 15 | 18 |
| 2'                    | 30                          | 30 | 30 | 22 | 19 | 22 |
| 3'                    | 28                          | 26 | 28 | 21 | 15 | 21 |
| 4'                    | 24                          | 25 | 24 | 18 | 16 | 18 |
| 5'                    | 20                          | 20 | 20 | 14 | 14 | 14 |
| 6'                    | 16                          | 15 | 16 | 11 | 11 | 11 |
| 7'                    | 12                          | 12 | 12 | 9  | 9  | 9  |
| 8'                    | 10                          | 10 | 10 | 7  | 7  | 7  |
| 9'                    | 8                           | 8  | 8  | 6  | 6  | 6  |

Note: Data based on a minimum of 5 units

| Frame-in kit     | Ceiling         | Lamping |      |      |      |
|------------------|-----------------|---------|------|------|------|
|                  |                 | A19     | A21  | BR30 | BR40 |
| <b>1102P1</b>    | Non-IC          | 100W    | 150W | —    | 90W  |
| <b>1103R</b>     | Non-IC exist    | 100W    | 150W | —    | 150W |
| <b>1100DAICM</b> | Deep AirSeal IC | 60W     | —    | 60W  | —    |
| <b>1100DICM</b>  | Deep IC         | 60W     | —    | 60W  | —    |

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.

# Lytecaster line voltage

## 6 3/4" Open wall washers

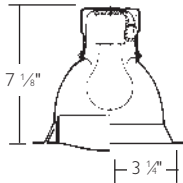
These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.



### Wall washing

• **Basic eyelid wall washer** provides a cost effective smooth wash of light up to the ceiling line while blocking light to the floor to provide a dramatic impact to the vertical surface. White finish blends well against ceilings.

## 6 3/4" Basic eyelid wall washer



**Reflector**

**1185** Gloss white

**A19**

| 100W<br>A19 | Footcandles on wall |    |    |    |    |    |
|-------------|---------------------|----|----|----|----|----|
|             | 2'                  |    |    | 3' |    |    |
| 1'          | 39                  | 36 | 39 | 29 | 19 | 29 |
| 2'          | 49                  | 47 | 49 | 33 | 30 | 33 |
| 3'          | 35                  | 35 | 35 | 23 | 25 | 23 |
| 4'          | 29                  | 26 | 29 | 19 | 18 | 19 |
| 5'          | 16                  | 18 | 16 | 13 | 12 | 13 |
| 6'          | 11                  | 12 | 11 | 9  | 8  | 9  |
| 7'          | 8                   | 8  | 8  | 6  | 6  | 6  |
| 8'          | 8                   | 8  | 8  | 6  | 6  | 6  |
| 9'          | 7                   | 8  | 7  | 6  | 6  | 6  |

Note: Data based on a minimum of 5 units

| Frame-in kit     | Ceiling            | Lamping A19 |
|------------------|--------------------|-------------|
| <b>1102P1</b>    | Non-IC             | 100W        |
| <b>1103R</b>     | Non-IC exist       | 100W        |
| <b>1100IC</b>    | IC                 | 52W         |
| <b>1100AICM</b>  | AirSeal IC         | 52W         |
| <b>1104ICX**</b> | AirSeal IC         | 52W         |
| <b>1100DAICM</b> | Deep AirSeal IC    | 40W         |
| <b>1100DICM</b>  | Deep IC            | 40W         |
| <b>1104IC**</b>  | IC/Non-IC          | 40W/60W     |
| <b>1104ICR</b>   | IC/Non-IC existing | 40W/60W     |



Eyelid wall washers blend easily into the ceiling with open downlights and provide smooth scallop-free lighting on vertical surfaces.



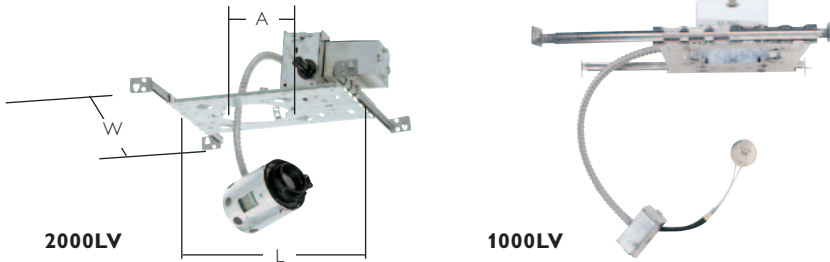
# Lytecaster low voltage

## Frame-in kits

There's no better way to create high-impact accent lighting for homes, retail stores and other spaces than with low voltage halogen downlighting. By bringing out form, color and texture in the objects being lighted, low voltage lighting draws the viewer in and adds excitement to the composition.



### Standard MR16 non-IC



Magnetic transformers provide a cost effective low voltage solution with simplified dimming electronics. The improved technology of Electronic transformers offer cool, quiet operation even when dimmed.

Lytecaster low voltage downlights feature MR16 and PAR36 lamps that provide highly focused beams that are particularly well suited for accent lighting. These low voltage Line Voltage sources are also brighter and last up to twice as long as normal filament lamps.

|                    | <b>2000LVE1</b><br><b>2000LVE2</b><br>Electronic | <b>2000LV</b><br>Magnetic | <b>2000LVNT</b><br>MR16 Remote<br>transformer | <b>1000LVE1</b><br><b>1000LVE2</b><br>Electronic | <b>1000LV</b><br>Magnetic | <b>1000LVNT</b><br>MR16 Remote<br>transformer |
|--------------------|--|---------------------------|---|--|---------------------------|---|
| <b>Cut out (A)</b> | 3 11/16"   | 3 11/16"                  | 3 11/16"                                      | 5 1/8"   | 5 1/8"                    | 5 1/8"  |
| <b>Width (W)</b>   | 7 1/2"   | 7 1/2"                    | 7 1/2"  | 7 1/2"   | 7 1/2"                    | 7 1/2"  |
| <b>Length (L)</b>  | 11 1/8"  | 11 1/8"                   | 9 5/8"  | 11 5/8"  | 11 5/8"                   | 9 5/8"  |
| <b>Depth* (D)</b>  | See reflector trim                               |                           |   |  |                           |   |

Designed for new construction where insulation will not be installed. Standard new construction MR16 Frame-in Kits for use in ceilings up to 1" thick. Our new LVE series electronic transformers in 120 or 277 volt ensure cool, quiet operation in residential and commercial applications, even when dimmed. Magnetic 120 volt transformer provides a cost effective low voltage solution with simplified dimming electronics. NT allows for remotely mounted transformer. Integral wood joist nailing tabs, UL listed for through wiring, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable.

### Lytening MR16 IC



#### 2004ICV

Designed for new construction where insulation will be installed around the fixture. Magnetic transformer is mounted inside housing for easy access. AirSeal®, complies with MEC and WSEC air leakage requirements. Pivoting bar-ends, pre-installed screws (or nails), and tool-free cable clamps for fast, convenient installation of non-metallic Romex®, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories, installs in ceilings up to 1" thick, 3/8" integral plaster ceiling ring on 2004ICV.

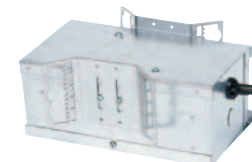
|                    | <b>2004ICV</b>     | <b>1004ICV</b> |
|--------------------|--------------------|----------------|
| <b>Cut out (A)</b> | 3 15/16"           | 5 1/4"         |
| <b>Width (W)</b>   | 10 3/8"            | 10 3/8"        |
| <b>Length (L)</b>  | 12 1/4"            | 12 1/4"        |
| <b>Depth* (D)</b>  | See reflector trim |                |

**2004ICVN** = Preset nails

**1004ICVN** = Preset nails

### MR16 Remote transformer

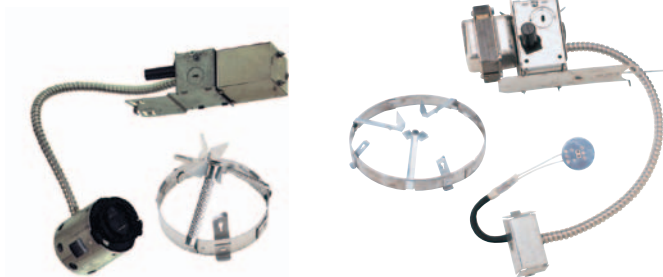
LVNT Frame-in kits may be installed in new ceilings up to 1" thick. Philips Lightolier remote transformers 8608 (75W) and 8609 (225W) are fused and suitable for recessed installation.



**8608**  
75W Max.

**8609**  
225W Max.

### Remodeler MR16-non-IC



#### 2000LVR

Non-IC remodeler for use in existing ceiling up to 2" thick. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings. Available with Magnetic or Electronic transformers.

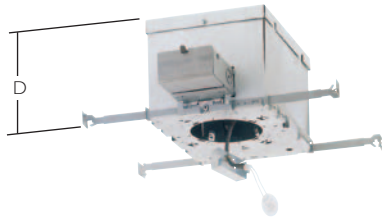
|                    | <b>2000LVR</b><br>Magnetic | <b>2000LVRE1</b><br>Electronic | <b>1000LVR</b><br>Magnetic | <b>1000LVRE1</b><br>Electronic |
|--------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|
| <b>Cut out (A)</b> | 3 15/16"                   | 3 15/16"                       | 5 3/8"                     | 5 3/8"                         |
| <b>Width (W)</b>   | 2 3/4"                     | 2 3/4"                         | 5 3/4"                     | 5 3/4"                         |
| <b>Length (L)</b>  | 8 1/8"                     | 8 1/8"                         | 13 1/4"                    | 13 1/4"                        |
| <b>Depth* (D)</b>  | See reflector trim         |                                |                            |                                |



# Lytecaster low voltage

MR16 lamps offer a unique punch and sparkle which is ideal for highlighting small objects such as artwork, glass and tableware. The MR16 lamp features a powerful central beam surrounded by a less intense "corona". The PAR36 lamp provides a well-controlled, glare-free beam. Lytecaster low voltage downlights are designed to provide a wide range of adjustment. Many feature "hot aiming" so the beam can be tilted and rotated while the fixture is on. Adding dimming controls allows the intensity of the beam to be adjusted to the desired effect.

## Insulated MR16 IC

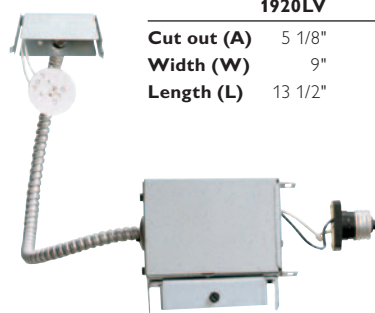


For use in new construction where fixture will be in direct contact with thermal insulation. Magnetic Transformer is mounted inside housing for easy access. 2000AICV features AirSeal® gasketing for compliance with WSEC and MEC requirements. Integral wood joist nailing tabs, integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories, installs in ceilings up to 1" thick

★★★      ★★★  
2000AICV    1000ICV

|                    |          |         |
|--------------------|----------|---------|
| <b>Cut out (A)</b> | 3 11/16" | 5 1/8"  |
| <b>Width (W)</b>   | 9"       | 9"      |
| <b>Length (L)</b>  | 15 1/2"  | 15 1/2" |
| <b>Depth* (D)</b>  | 7 5/16"  | 7 5/16" |

## MR16 Conversion kit



**1920LV**

|                    |         |
|--------------------|---------|
| <b>Cut out (A)</b> | 5 1/8"  |
| <b>Width (W)</b>   | 9"      |
| <b>Length (L)</b>  | 13 1/2" |

Converts a previously installed 1000 series line voltage Lytecaster standard, remodeler or insulated ceiling frame-in kit to accept 1000LV series low voltage reflector trims. Maximum wattage 20-42W with insulated kits and 20-50W with non-insulated kits. Installs without the need for hard wiring. Magnetic transformer.

## Low voltage frame-in kits

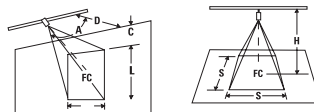
Lytecaster Low Voltage Frame-in Kits offer a choice of installation options and performance levels for high impact accent lighting.

- 2000LV series features the smallest aperture size (3 3/4") for the most dramatic applications and widest selection of trim and finish options.
- 5" 1000LV series provides higher wattages and greater adjustability for more demanding projects.
- 6 3/4" 1100 series utilizes reflector trims with integral transformers that provide the highest wattage and most adjustability.
- Replaceable lamp socket and "Hot Aiming" are standard.

## Lytecaster dimming

Lytecaster low voltage downlights may be dimmed for added accent lighting impact. Philips Lightolier offers many Controls options for low voltage fixtures, including OnSet, MultiSet, Scenist, and Brilliance controls and dimmers (these are designated by the suffix "VA" or "LV" following the catalog number). For additional details on Philips Lightolier's entire line of dimming control systems contact Philips Controls Division at 1-800-526-2731.

## MR16 Framing projector accessory



### Illumination on vertical plane

Shutter blades set for maximum beam coverage.

|                         |                 |             |             |              |              |              |               |
|-------------------------|-----------------|-------------|-------------|--------------|--------------|--------------|---------------|
| <b>Distance (D)</b>     | 24"             | 36"         | 48"         | 60"          | 72"          | 84"          | 96"           |
| <b>Aiming angle (A)</b> | 30° 45° 60°     | 30° 45° 60° | 30° 45° 60° | 30° 45° 60°  | 30° 45° 60°  | 30° 45° 60°  | 30° 45° 60°   |
| <b>Width (W)</b>        | 2" 18" 22"      | 20" 30" 35" | 29" 42" 48" | 37" 54" 62"  | 46" 66" 75"  | 54" 78" 88"  | 63" 90" 101"  |
| <b>Length (L)</b>       | 16" 22" 44"     | 27" 37" 70" | 39" 51" 97" | 50" 66" 123" | 61" 81" 150" | 72" 95" 176" | 84" 110" 202" |
| <b>Distance (C)</b>     | 13" 22" 33"     | 20" 33" 50" | 26" 44" 66" | 33" 55" 83"  | 39" 66" 99"  | 46" 77" 116" | 52" 88" 132"  |
| <b>FC</b>               | 50W MR16 FL EXN | 376 183 52  | 130 66 20   | 65 34 11     | 39 20 7      | 26 14 5      | 18 10 3       |
| <b>FC</b>               | 75W MR16 PL EYC | 680 332 95  | 234 119 37  | 117 61 20    | 70 37 12     | 47 25 8      | 33 18 6       |

Length (L) to the point that FC drops to 10% of maximum.

## Noise

There is some noise produced by low voltage systems: both from the lamps and the magnetic transformers, especially when dimmed.

This noise can be audible depending on the lamp/transformer combination, the level of background noise, the sound absorbcency of the surrounding surfaces and the hearing of the people in the space.

Whether the noise is objectionable depends largely on how critical the application is.

### 6497

Attaches to 1062LV Elbow. (page 1.313)



### Illumination on horizontal plane

Unit aimed 0° from vertical, shutter blades set for maximum beam coverage.

|                     |                 |            |          |          |     |     |     |     |     |
|---------------------|-----------------|------------|----------|----------|-----|-----|-----|-----|-----|
| <b>Distance (H)</b> | 4'              | 5'         | 6'       | 7'       | 8'  | 9'  | 10' | 11' | 12' |
| <b>Sides (S)</b>    | 20"             | 26"        | 32"      | 38"      | 44" | 50" | 56" | 63" | 69" |
| <b>FC</b>           | 50W MR16 FL EXN | 108 64 42  | 30 22 17 | 14 11 9  |     |     |     |     |     |
| <b>FC</b>           | 75W MR16 PL EYC | 195 115 75 | 53 40 31 | 24 20 17 |     |     |     |     |     |

In general, non-dimmed, magnetic transformers will be audible to most observers in most applications. PAR36 lamps, in general, emit a characteristic filament "buzz" or "sizzle" especially when dimmed. We do not recommend their dimmed use in very quiet environments.

## MR16 Socket replacement



### 1975TAL

For GE turn and lock lamps.

### 1975B

For 2000LV series frame-in kits and 1052lv trim.

### 1975A

For 1000LV series frame-in kits and 1152, 1161 trims.

## MR16 Accessory lenses



All 2" color filters and diffusion lenses listed are compatible with the 2000LV, 2000LVR, 2000LVNT, 2000LVE1/2, 2000LVRE1 frame-in kits.

Private homes, quiet specialty shops and galleries tend to be more sensitive to noise than department stores or circulation spaces. Conference rooms, stores and quiet restaurants fall in between.

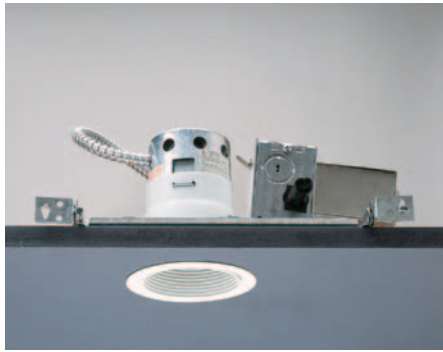
Where noise can be expected to be a user issue, special care should be taken to examine all design options especially the choice of lighting, surface, and furnishing materials.

Electronic transformers, transformer free fixtures and remote transformers are also available.

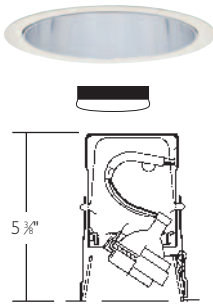
# Lytecaster low voltage

## 3 3/4" Accent lighting trims

The Recessed Adjustable, Mini-Swivel & Eyeball miniature low voltage accent lights feature the versatile MR16 light source to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.



### 3 3/4" Recessed adjustable aperture cone



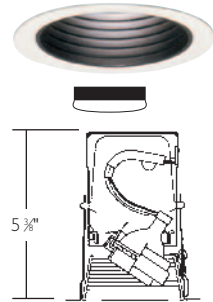
Vertical tilt: 35°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>2000AICV</b>  | IC              | 35W          |
| <b>2000LVNT</b>  | Non-IC          | 20W-42W      |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

#### Reflector

|               |                |                 |                                      |
|---------------|----------------|-----------------|--------------------------------------|
| <b>2008</b>   | Brushed gold   | <b>2008NM</b>   | Brushed gold, natural metal flange   |
| <b>2010</b>   | Brushed clear  | <b>2010NM</b>   | Brushed clear, natural metal flange  |
| <b>2012</b>   | Specular gold  | <b>2012NM</b>   | Specular gold, natural metal flange  |
| <b>2013</b>   | Specular clear | <b>2013NM</b>   | Specular clear, natural metal flange |
| <b>2013BK</b> | Specular black | <b>2013BKNM</b> | Specular black, natural metal flange |
| <b>2013CD</b> | Clear diffuse  | <b>2013CDNM</b> | Clear diffuse, natural metal flange  |
| <b>2013WH</b> | Matte white    |                 |                                      |

### 3 3/4" Recessed adjustable step baffle



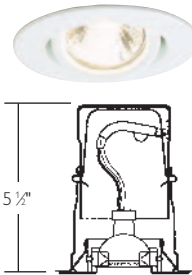
Vertical tilt: 35°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>2000LVNT</b>  | Non-IC          | 20W-42W      |
| <b>2000AICV</b>  | AirSeal IC      | 35W          |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

#### Reflector

|               |                    |                |  |
|---------------|--------------------|----------------|--|
| <b>2005</b>   | Matte black baffle | <b>2005NM</b>  | Matte black, natural metal flange          |
| <b>2005WH</b> | Matte white baffle | <b>2005BNM</b> | Natural metal baffle, natural metal flange |

### 3 3/4" Mini-swivel round



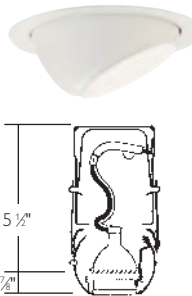
Vertical tilt: 35°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 37W          |
| <b>2004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>2000LVNT</b>  | Non-IC          | 20W-42W      |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 37W          |

#### Reflector

|               |             |
|---------------|-------------|
| <b>2025WH</b> | Gloss white |
|---------------|-------------|

### 3 3/4" MR16 Eyeball



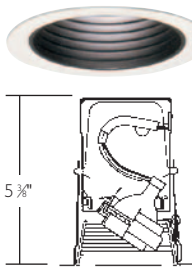
Vertical tilt: 45°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVNT</b>  | Non-IC          | 20-42W       |
| <b>2000AICV</b>  | AirSeal IC      | 20-35W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 37W          |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

#### Reflector

|               |             |
|---------------|-------------|
| <b>2022LV</b> | Matte white |
|---------------|-------------|

### 3 3/4" Recessed adjustable basic baffle



Vertical tilt: 35°

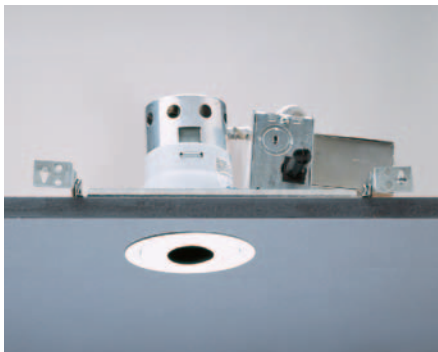
| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>2000LVNT</b>  | Non-IC          | 20W-42W      |
| <b>2000AICV</b>  | AirSeal IC      | 35W          |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

#### Reflector

|               |             |
|---------------|-------------|
| <b>2076</b>   | Black       |
| <b>2076WH</b> | Gloss white |

\* For nail version add "N" suffix.  
Accepts Lytegems, see page 1.333.



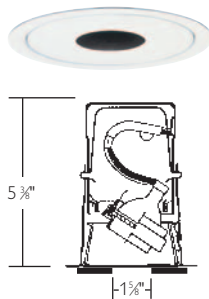


# Lytecaster low voltage

## 3 3/4" Accent lighting & wet location trims

These small aperture accent lights conceal the light source and provide the smallest available aperture with an inner matte black shield that absorbs stray light. The Pinhole provides consistent ceiling appearance while the Slot provides maximum adjustment in a small aperture fixture. Lensed products provide high-impact lighting in locations where product can come in direct contact with water.

### 3 3/4" Pinhole



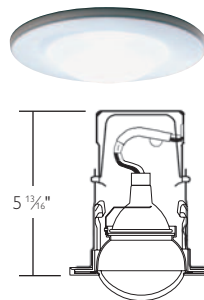
Vertical tilt: 15°

#### Reflector

**2011** Pinhole w/matte white faceplate

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 20-37W       |
| <b>2000AICV</b>  | AirSeal IC      | 20-35W       |
| <b>2000LVNT</b>  | Non-IC          | 20-42W       |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

### 3 3/4" Shower trim

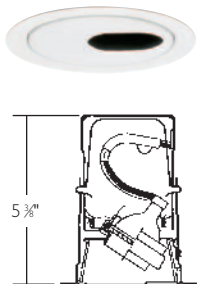


#### Reflector

**2026WH** Matte white frosted glass diffuser

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC          | 37W          |
| <b>2004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>2000LVNT</b>  | Non-IC          | 20-42W       |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 37W          |

### 3 3/4" Slot



Vertical tilt: 35°

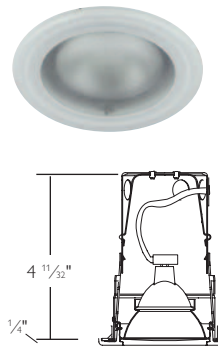
Slot dimensions:  
1 1/4" x 2 3/16"

#### Reflector

**2006** Slot aperture w/matte white faceplate

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>2000LV</b>    | Non-IC          | 20-50W       |
| <b>2000LVR</b>   | Non-IC existing | 20-50W       |
| <b>2004ICV*</b>  | AirSeal IC      | 20-37W       |
| <b>2000AICV</b>  | AirSeal IC      | 20-35W       |
| <b>2000LVNT</b>  | Non-IC          | 20-42W       |
| <b>2000LVE1</b>  | Non-IC          | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC          | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing | 20W-50W      |

### 3 3/4" Lensed wet location



#### Reflector

**2090LV** Etch white

| Frame-in kit     | Ceiling          | Lamping MR16 |
|------------------|------------------|--------------|
| <b>2000AICV</b>  | AirSeal IC       | 20-37W MR16  |
| <b>2004ICV*</b>  | AirSeal/IC       | 20-50W MR16  |
| <b>2000LV /</b>  |                  |              |
| <b>2000LVNT</b>  | Non-IC           | 20-50W MR16  |
| <b>2000LVR</b>   | Non-IC remodeler | 20-37W MR16  |
| <b>2000LVE1</b>  | Non-IC           | 20W-50W      |
| <b>2000LVE2</b>  | Non-IC           | 20W-50W      |
| <b>2000LVRE1</b> | Non-IC existing  | 37W          |

\* For nail version add "N" suffix..

# Lytecaster low voltage

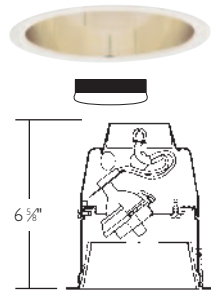
## 5" Accent lighting trims

This selection of low voltage accent lights is designed to provide increased power and punch to highlight wall art and objects from greater distances.

- 5" Recessed Adjustable and Pinhole offer inconspicuous styling.
- MR16 Elbow provides the highest range of adjustment; 70° from vertical maximum when fully extended.



### 5" Recessed adjustable aperture cones



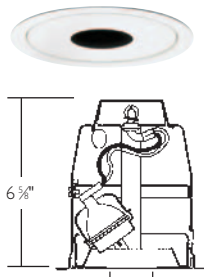
Vertical tilt: 35°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>1000LV</b>    | Non-IC          | 42-75W       |
| <b>1000LVR</b>   | Non-IC existing | 42-75W       |
| <b>1004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>1000ICV</b>   | IC              | 20-35W       |
| <b>1000LVNT</b>  | Non-IC          | 42-75W       |
| <b>1000LVE1</b>  | Non-IC          | 42W-75W      |
| <b>1000LVE2</b>  | Non-IC          | 42W-75W      |
| <b>1000LVRE1</b> | Non-IC existing | 42W-75W      |

#### Reflector

- 1056LV** Specular black
- 1063LV** Specular gold
- 1064LV** Specular clear
- 1064CDLV** Clear diffuse

### 5" Pinhole



Vertical tilt: 35°

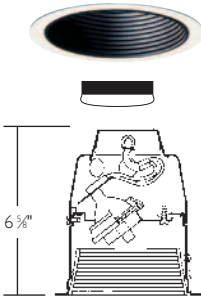
| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>1000LV</b>    | Non-IC          | 42-65W       |
| <b>1000LVR</b>   | Non-IC existing | 42-65W       |
| <b>1004ICV*</b>  | AirSeal IC      | 20-37W       |
| <b>1000LVNT</b>  | Non-IC          | 42-65W       |
| <b>1000ICV</b>   | IC              | 20-35W       |
| <b>1000LVE1</b>  | Non-IC          | 42W-65W      |
| <b>1000LVE2</b>  | Non-IC          | 42W-65W      |
| <b>1000LVRE1</b> | Non-IC existing | 42W-65W      |

#### Reflector

- 1052LV** Pinhole w/matte White faceplate

See page 1.334 for slot aperture faceplate accessory.

### 5" Recessed adjustable step baffle



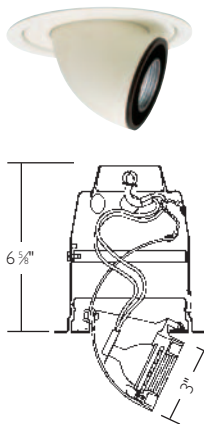
Vertical tilt: 35°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>1000LV</b>    | Non-IC          | 42-75W       |
| <b>1000LVR</b>   | Non-IC existing | 42-75W       |
| <b>1004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>1000ICV</b>   | IC              | 20-35W       |
| <b>1000LVNT</b>  | Non-IC          | 42-75W       |
| <b>1000LVE1</b>  | Non-IC          | 42W-75W      |
| <b>1000LVE2</b>  | Non-IC          | 42W-75W      |
| <b>1000LVRE1</b> | Non-IC existing | 42W-75W      |

#### Reflector

- 1055LV** Matte black baffle
- 1055WHLV** Matte white Baffle

### 5" MR16 Elbow



Vertical tilt: 70°

| Frame-in kit     | Ceiling         | Lamping MR16 |
|------------------|-----------------|--------------|
| <b>1000LV</b>    | Non-IC          | 42-65W       |
| <b>1000LVR</b>   | Non-IC existing | 42-65W       |
| <b>1004ICV*</b>  | AirSeal IC      | 20-50W       |
| <b>1000ICV</b>   | IC              | 20-42W       |
| <b>1000LVNT</b>  | Non-IC          | 42-65W       |
| <b>1000LVE1</b>  | Non-IC          | 42W-65W      |
| <b>1000LVE2</b>  | Non-IC          | 42W-65W      |
| <b>1000LVRE1</b> | Non-IC existing | 42W-65W      |

#### Reflector

- 1062LV** Matte white

1062LV is compatible with framing projector accessory (page 1.310)

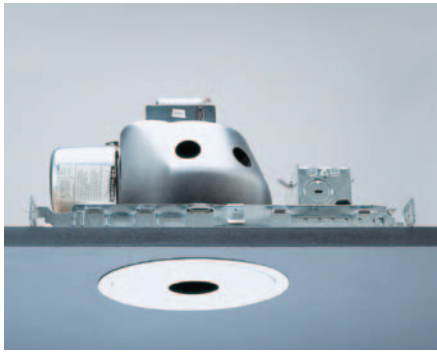
\* For nail version add "N" suffix. Accepts Lytegems, see page 1.333.



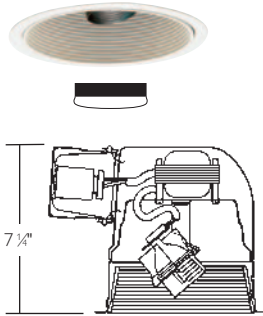
# Lytecaster low voltage

## 6 3/4" Accent lighting trims

- Larger size 6 3/4" fixtures provide the most adjustment and higher wattages.
- 6 3/4" PAR36 Recessed Adjustable features a dual output magnetic transformer for 12v or 5.5v lamps. PAR36 fixtures are particularly well-suited for accenting small objects with long throws of light.



### 6 3/4" Recessed adjustable



Vertical tilt: 40°

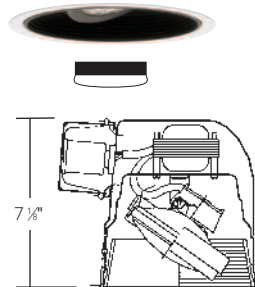
#### Reflector

- 1161** Matte Black baffle
- 1161WH** Matte white Baffle

#### Frame-in lamping sit

|                  | Ceiling         | MR16   |
|------------------|-----------------|--------|
| <b>1102P1</b>    | Non-IC          | 42-50W |
| <b>1103R</b>     | Non-IC Existing | 42-50W |
| <b>1104ICX**</b> | AirSeal IC      | 42-50W |
| <b>1100DAICM</b> | Deep AirSeal IC | 42-50W |
| <b>1100DICM</b>  | Deep IC         | 42-50W |
| <b>1100IC</b>    | IC              | 42-50W |

### 6 3/4" PAR36 Recessed adjustable



Vertical tilt: 35°

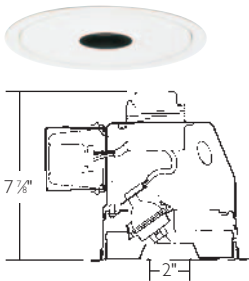
#### Reflector

- 1155** Matte Black baffle
- 1155WH** Matte white Baffle
- 1163** Specular gold
- 1164** Specular clear

#### Frame-in kit

|                  | Ceiling         | Lamping<br>12v<br>PAR36 | 5.5v<br>PAR36 |
|------------------|-----------------|-------------------------|---------------|
| <b>1102P1</b>    | Non-IC          | 25-50W                  | 25W           |
| <b>1103R</b>     | Non-IC Existing | 25-50W                  | 25W           |
| <b>1104ICX**</b> | AirSeal IC      | 25-50W                  | 25W           |
| <b>1100DAICM</b> | Deep AirSeal IC | 25-50W                  | 25W           |
| <b>1100DICM</b>  | Deep IC         | 25-50W                  | 25W           |
| <b>1100IC</b>    | IC              | 25-50W                  | 25W           |

### 6 3/4" Pinhole



Vertical tilt: 45°

#### Reflector

- 1152** Pinhole w/Matte White Faceplate

#### Frame-in lamping kit

|                  | Ceiling         | MR16   |
|------------------|-----------------|--------|
| <b>1102P1</b>    | Non-IC          | 42-75W |
| <b>1103R</b>     | Non-IC Existing | 42-75W |
| <b>1100DAICM</b> | Deep AirSeal IC | 35W    |
| <b>1100DICM</b>  | Deep IC         | 35W    |

See page 1.334 for slot aperture faceplate accessory.

\* For nail version add "N" suffix.  
 \*\*For nail version add "N" suffix.  
 For quick connects add "Q" suffix.  
 For nail & quick connects add "NQ" suffix.  
 Accepts Lytegems, see page 1.333.

Low voltage accent lighting brings impact, drama and function to restaurants, boutiques, galleries and retail settings.

# Lytecaster compact fluorescent

## Insulated ceiling frame-in kits

Lytecaster Performance Compact Fluorescent provides all the benefits of compact fluorescent lighting in spaces that require insulation. With its insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings.



Performance IC  
3 3/4" new construction



- 2001F13ICU / 2001F13ICUN** 13w Quad/Triple Tube G24q-1/ GX24q-1 Base
- 2001F18ICU / 2001F18ICUN** 18w Triple Tube GX24q-2 Base

**Cut out** 3 15/16"  
**Width** 10 3/8"  
**Length** 12 3/4"  
**Depth** 7 1/4"

| Input power frame-in kit | Total watts | Amp (120/277V) |
|--------------------------|-------------|----------------|
| <b>2001F13 Series</b>    | 16W         | 0.13/0.06      |
| <b>2001F18 Series</b>    | 19W         | 0.16/0.07      |

Performance IC  
5" new construction



- 1001F13ICU / 1001F13ICUN** 13w Quad/Triple Tube G24q-1/ GX24q-1 Base
- 1001F18ICU / 1001F18ICUN** 18w Triple Tube GX24q-2 Base
- 1001F26ICU / 1001F26ICUN** 26w Triple Tube GX24q-3 Base

**Cut out** 5 1/4"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power frame-in kit | Total watts | Amp (120/277V) |
|--------------------------|-------------|----------------|
| <b>1001F13 Series</b>    | 16W         | 0.13/0.06      |
| <b>1001F18 Series</b>    | 20W         | 0.17/0.08      |
| <b>1001F26 Series</b>    | 29W         | 0.24/0.11      |

Performance IC  
6 3/4" new construction



- 1101F18ICU / 1101F18ICUN** 18w Quad/Triple Tube
- 1101F26ICU / 1101F2642ICUN** 26w Quad Tube – 26-42W Triple

**Cut out** 6 15/16"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power frame-in kit | Total watts | Amp (120/277V)  |
|--------------------------|-------------|-----------------|
| <b>1101F18 Series</b>    | 20W         | 0.23/0.10       |
| <b>1101F2642 Series</b>  | 29W         | 0.33/0.14 (26W) |
|                          | 36W         | 0.40/0.17 (32W) |
|                          | 46W         | 0.53/0.23 (42W) |

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

**Ballast:** Mounted inside housing. 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

# Lytecaster compact fluorescent



## Dimming frame-in kits

Dimming provides even more flexibility and performance. Electronic ballasts accurately reduce light output to match the consumers' needs. Dim lighting to comfortably watch television, host a dinner party or set appropriate light levels for different tasks. Dimming allows greater control, energy savings and exceptional performance.

Performance IC 5" new construction - dimming



26w Triple tube Gx24q-3 base

**1001FDICMX1 / 1001FDICMX1N** Advance Mark10  
26W (120v)  
**1001FDICMX2 / 1001FDICMX2N** Advance Mark10  
26W (277v)

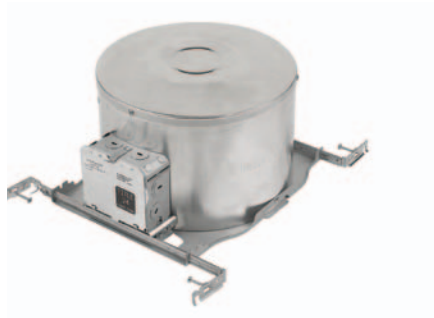
**Cut out** 5 1/4"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power frame-in kit | Total watts | Amp (120/277V)             |
|--------------------------|-------------|----------------------------|
| <b>1001FDIC Series</b>   | 31W         | 0.26 (120v)<br>0.11 (277v) |

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

**Ballast:** Mounted inside housing, 120V – 277V UL Listed electronic ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

Performance IC 6 3/4" new construction - dimming



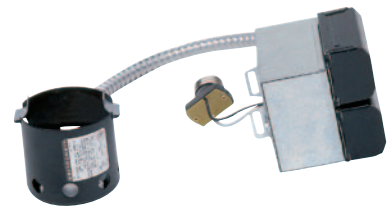
26w Triple tube Gx24q-3 base

**1101FDICMX1 / 1101FDICMX1N** Advance Mark10  
26-32W (120v)  
**1101FDICMX2 / 1101FDICMX2N** Advance Mark10  
26-32W (277v)

**Cut out** 6 15/16"  
**Width** 10 3/8"  
**Length** 12 1/4"  
**Depth** 7 1/4"

| Input power frame-in kit | Total watts | Amp (120/277V)                     |
|--------------------------|-------------|------------------------------------|
| <b>1101FDIC Series</b>   | 31W<br>38W  | 0.26/0.11 (26w)<br>0.32/0.14 (32w) |

Quad tube conversion kit (1 & 2-light)



**1 Lt.**  
**1910XFH1**  
(120v HPF)

**2 Lt.**  
**1910XDH1**  
(120v HPF)

**Cut out (A)** 5 3/8"      7"  
**Width (W)** 3 1/4"      6 1/4"  
**Length (L)** 4"      4"  
**Depth\* (D)** 6"-10 7/8"      6"-10 7/8"

| Input Power frame-in kit | Total watts | Amps |
|--------------------------|-------------|------|
| <b>1910XFH1</b>          | 15.5        | .14  |
| <b>1910XDH1</b>          | 31          | .28  |

Converts select Lytecaster line voltage products to compact fluorescent (excludes Lytening and IC products). 1910XFH1 for use with one 13W 2-pin quad tube. 1910XDH1 uses two 13W 2-pin quad tube lamps. Compatible with 1000 series (F type only) and 1100 series reflector trims. Magnetic ballast.

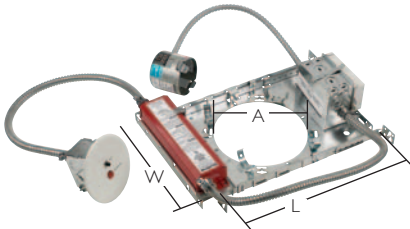
# Lytecaster compact fluorescent

## Frame-in kits

Energy Star® was created to help consumers easily identify products, homes, and buildings that save energy and money, and help protect the environment. As the government-backed, trusted symbol for energy efficiency, the Energy Star® label identifies highly efficient products and designates superior energy performance in homes and buildings. Additional information is available at the Energy Star® web site [www.energystar.gov](http://www.energystar.gov).



### Energy Star/Title 24 rated non-IC triple tube emergency (1-light)



The 1100FTUESEM series delivers high output in an energy smart package. Developed with an Energy Star / Title 24 rated Electronic ballast (**120v**), the 1100FTUES series provides universal CFL lamping at 26 or 32 watts. Installs in ceilings up to 1" thick. Emergency option battery pack for dry locations provides 90 minute backup.

#### 1100FTUESEM (120V HPF; 26/32W)

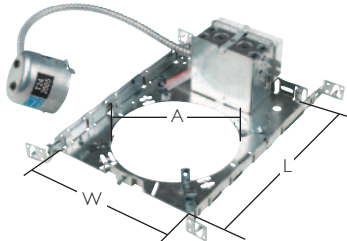
**Cut out (A)** 6 13/16"  
**Width (W)** 9"  
**Length (L)** 12 15/16"  
**Depth\* (D)** See specific reflector trim specifications

| Input power frame-in kit | Total watts | Amp (120V) |
|--------------------------|-------------|------------|
| 1100FTUESEM (26W)        | 29          | .24        |
| 1100FTUESEM (32W)        | 36          | .31        |

Minimum starting temperature for 26/32W triple tube is 0° F.

**Housing accepts 120V Only**

### Energy Star/Title 24 rated non-IC triple tube (1-light)



The 1100FTUES delivers high output in an energy smart package. Developed with an Energy Star / Title 24 rated Electronic ballast (**120v**), the 1100FTUES series provides universal CFL lamping at 26 or 32 watts. Installs in ceilings up to 1" thick.

#### 1100FTUES (120V HPF; 26/32W)

**Cut out (A)** 6 13/16"  
**Width (W)** 9"  
**Length (L)** 12 15/16"  
**Depth\* (D)** See specific reflector trim specifications

| Input power Frame-in kit | Total watts | Amp (120V) |
|--------------------------|-------------|------------|
| 1100FTUES (26W)          | 29          | .24        |
| 1100FTUES (32W)          | 36          | .31        |

Minimum starting temperature for 26/32W triple tube is 0° F.

**Housing accepts 120V Only**

#### Emergency lumen output

| 1100FT Series wattage | EM Lamp lumens | EM #     |
|-----------------------|----------------|----------|
| 26                    | 450            | B94C EOL |
| 32                    | 575            | B94C EOL |

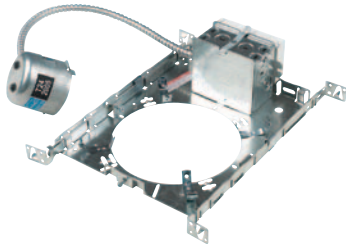
Philips Lightolier, an Energy Star® partner, is proud to offer our customers the following products with the Energy Star® qualified frame-in-kits.

Lytecing CF is designed to provide superior performance by offering:

- Advance ballast technology
- Low THD (Total harmonic distortion)
- High power factor
- Superior lamp life (10,000 hrs on average)

Combine the ease of installation that Lytecing is famous for and the wide variety of compatible trims offered to create the perfect lighting package for any application.





# Lytecaster compact fluorescent

## Frame-in kits

Lytening Energy Star® frames provide a cost effective and contractor friendly option for residential and light commercial energy efficient lighting. Available with over 30 trim options and lamping from 13w, 18w and 26w.

### Energy Star/Title 24 rated Lyte<sup>⚡</sup>ning IC quad/triple tube (1 light)



#### New construction

**1104F13ES**  
**1104F18ES**  
**1104F2632ES**  
 120v HPF  
 13/18/26-32W

#### Remodeler

**1104F13ESR**  
**1104F18ESR**  
**1104F2632ESR**  
 120v HPF  
 13/18/26-32W

The 1104ES series delivers high output, easy installation and energy smart technology. Developed with an Energy Star® / Title 24 rated Electronic ballast (120v), this series provides CFL lamping at 13, 18 & 26 watts, 4-Pin. New construction is AirSeal rated and complies with MEC/WSEC requirements.

| Input power<br>frame-in kit | Total |      | New construction remodeler |         |         |
|-----------------------------|-------|------|----------------------------|---------|---------|
|                             | watts | Amps | Cut out (A)                | 7"      | 7"      |
| 1104F13 Series              | 16.0  | 0.13 | <b>Width (W)</b>           | 7 5/16" | 7 5/16" |
| 1104F18 Series              | 19.0  | 0.16 | <b>Length (L)</b>          | 10 3/4" | 13 1/8" |
| 1104F2632 Series            | 27.0  | 0.23 | <b>Depth* (D)</b>          | 7 1/2"  | 7 1/2"  |

Minimum starting temperature for 2-Pin 13W quad tube is 32° F, 4-Pin 13, 18, 26W is 0°F.

### Energy Star/Title 24 rated Lyte<sup>⚡</sup>ning IC quad/triple tube (1 light)



#### New construction

**1004F13ES**  
**1004F18ES**  
**1004F26ES**  
 120v HPF  
 13/18/26w

#### Remodeler

**1004F13ESR**  
**1004F18ESR**  
**1004F26ESR**  
 120v HPF  
 13/18/26w

The 1004ES series delivers high output, easy installation and energy smart technology. Developed with an Energy Star® / Title 24 rated Electronic ballast (120v), this series provides CFL lamping at 13, 18 & 26 watts, 4-Pin. New construction is AirSeal rated and complies with MEC/WSEC requirements.

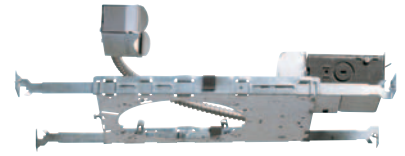
| Input power<br>frame-in kit | Total |      | New construction remodeler |        |         |
|-----------------------------|-------|------|----------------------------|--------|---------|
|                             | watts | Amps | Cut out (A)                | 5 3/8" | 5 3/8"  |
| 1004F13 Series              | 16.0  | 0.13 | <b>Width (W)</b>           | 5 3/4" | 5 3/4"  |
| 1004F18 Series              | 19.0  | 0.16 | <b>Length (L)</b>          | 9"     | 11 3/8" |
| 1004F26 Series              | 27.0  | 0.23 | <b>Depth* (D)</b>          | 7 1/2" | 7 1/2"  |

Minimum starting temperature for 2-Pin 13W quad tube is 32° F, 4-Pin 13, 18, 26W is 0°F.

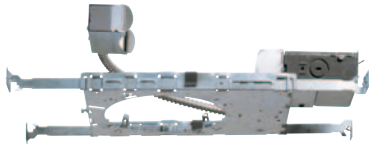
# Lytecaster compact fluorescent

## Frame-in kits

Low Profile downlights are designed for restricted plenum applications and are available with a broad range of open and enclosed reflector options. With a height of only 4", it is the most shallow commercial compact fluorescent product on the market. Reflectors are designed like existing standard height trims to provide added flexibility in areas where product has to be combined.



### Low Profile non-IC quad tube (2-light)

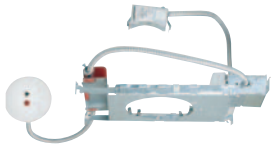


Low profile frame-in kit for two 13W, 18W or 26W (G24q-1,2,3/4-Pin base) quad tube lamps. Shallow 3 7/8" depth (with reflector trim) permits installation in shallow plenums. For use with low profile reflector trims only. Electronic 120V/277V HPF ballast with end of life circuit protection.

|                    | Elec. (13W)<br>(120/277V HPF)              | Elec. (18W)     | Elec. (26W)     |
|--------------------|--|-----------------|-----------------|
|                    | <b>1102T13U</b>                            | <b>1102T18U</b> | <b>1102T26U</b> |
| <b>Cut out (A)</b> | 6 13/16"                                   | 6 13/16"        | 6 13/16"        |
| <b>Width (W)</b>   | 9"   | 9"              | 9"              |
| <b>Length (L)</b>  | 15 11/16"                                  | 15 11/16"       | 15 11/16"       |
| <b>Depth* (D)</b>  | See specific reflector trim specifications |                 |                 |

|   | <b>Input power</b> | <b>Total watts</b> | <b>Amps (120/277V)</b> |
|---|--------------------|--------------------|------------------------|
| <b>1102T13U</b>   |                    | 33                 | 0.28/0.12              |
| <b>1102T18U</b>   |                    | 40                 | 0.34/0.15              |
| <b>1102T26U</b>   |                    | 56                 | 0.47/0.21              |
| Minimum starting temperature for 13/18/26W quad tube is 0° F. |                    |                    |                        |

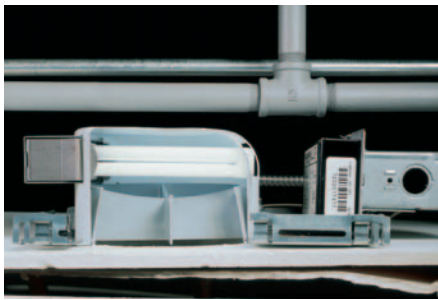
### Low profile emergency non-IC (2-light)



|                    | Mag. (13W)<br>Emergency<br>Twin            | Elec. (13W)<br>Emergency<br>Quad | Elec. (18W)<br>Emergency<br>Quad | Elec. (26W)<br>Emergency<br>Quad |
|--------------------|--|----------------------------------|----------------------------------|----------------------------------|
|                    | <b>1102TM1</b>                             | <b>1102T13UEM</b>                | <b>1102T18UEM1</b>               | <b>1102T26UEM</b>                |
|                    | <b>1102TM2</b>                             |                                  |                                  |                                  |
| <b>Cut out (A)</b> | 6 13/16"                                   | 6 13/16"                         | 6 13/16"                         | 6 13/16"                         |
| <b>Width (W)</b>   | 9"   | 9"                               | 9"                               | 9"                               |
| <b>Length (L)</b>  | 18 1/4"                                    | 18 1/4"                          | 18 1/4"                          | 18 1/4"                          |
| <b>Depth* (D)</b>  | See specific reflector trim specifications |                                  |                                  |                                  |

For use with low profile reflector trims only. Emergency option battery pack provides 90-minute back-up. One lamp is illuminated during emergency operation. Contains inverter/ battery charger and a maintenance-free Ni-Cad battery. Test switch and indicator light are provided with 24" of flex. May be remote mounted.

|  | <b>Input power</b> | <b>Total watts</b> | <b>Amps (120/277V)</b> |
|--|--------------------|--------------------|------------------------|
| <b>1102TM1</b>   |                    | 34.3               | 0.30                   |
| <b>1102TM2</b>   |                    | 48.1               | 0.19                   |
| <b>1102T13UEM</b>  |                    | 37                 | 0.31/0.13              |
| <b>1102T18UEM</b>  |                    | 44                 | 0.37/0.17              |
| <b>1102T26UEM</b>  |                    | 60                 | 0.05/0.22              |
| Minimum starting temperature for 13W twin tube is 32° F (0° F w/elec. ballast) dry locations only. |                    |                    |                        |



# Lytecaster compact fluorescent

## Frame-in kits

Low Profile downlights are designed for restricted plenum applications and are available with a broad range of open and enclosed reflector options. Also suitable for wall installations with selected reflectors (see pages 1.329–1.330 for all Low Profile Reflector Trims).

### Low profile remodeler non-IC twin tube (2-light)



(120v HPF) **1102TH1R**

**Cut out (A)** 6 13/16"

**Width (W)** 6"-8"

**Length (L)** 8"

**Depth\* (D)** See specific reflector trim specifications

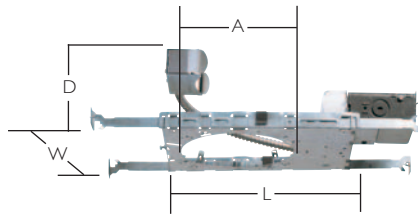
**Input power Total watts Amps**

**1102TM1** 31 .280

Minimum starting temperature for 13W twin tube is 32° F.

Energy-efficient 13W twin tube (GX23/2-Pin base)  
Remodelers tackle installations in plenums as shallow as 3 7/8". Works in ceilings up to 2" thick. Magnetic ballast, 120HPF.

### Low profile non-IC twin tube (2-light)



**Magnetic (13W)**

**1102T1** (120v NPF)

**1102TH1** (120v HPF)

**1102TH2** (277v HPF)

**Cut out (A)** 6 13/16"

**Width (W)** 9"

**Length (L)** 15 11/16"

**Depth\* (D)** See specific reflector trim specifications

**Input power Total watts Amps**

**1102T1** 35 0.60

**1102TH1** 32 0.28

**1102TH2** 32 0.16

Minimum starting temperature for 13W Twin Tube is 32° F.

Low Profile Frame-in kit for two 13W twin tube lamps (GX23-2-Pin base). Shallow 3 7/8" depth (with reflector trim) permits installation in shallow plenums. For use with low profile reflector trims only. Magnetic ballast.

#### Frame-in kit options

Lt. 6 3/4"

|                                 |   |                           |
|---------------------------------|---|---------------------------|
| Low profile Non-IC twin tube    | 2 | 1102T Series              |
| Low Profile Emergency twin tube | 2 | 1102TM1                   |
| Low profile non-ic quad tube    | 2 | 1102T13, T18 & T26 Series |
| Low profile remodeler twin tube | 2 | 1102TH1R                  |

#### Emergency lumen output

| 1102T Series wattage | EM Lamp lumens | EM #     |
|----------------------|----------------|----------|
| 2X13 (Magnetic)      | 625            | B413     |
| 2X13                 | 425            | B94C EOL |
| 2X18                 | 575            | B94C EOL |
| 2X26                 | 700            | B94C EOL |

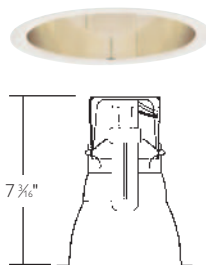
# Lytecaster compact fluorescent

## 5" Reflector trims

Featuring one 13W Quad or 13-26W Triple Tube Lamp, these 5" downlights are designed to provide general lighting for low ambient residential and light commercial applications.



### 5" Deep anodized

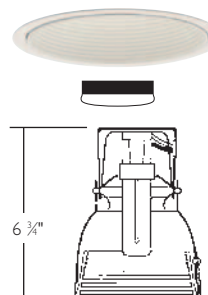


| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple or quad |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F26 Series</b>   | 26W     | (1) Triple         |
| <b>1001FD26L Series</b> | 26W     | (1) Triple         |
| <b>1001FD26M Series</b> | 26W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |
| <b>1001F26IC Series</b> | 26W     | (1) Triple         |
| <b>1001FDIC Series</b>  | 26W     | (1) Triple         |

#### Reflector

|               |                |
|---------------|----------------|
| <b>1045</b>   | Specular gold  |
| <b>1046</b>   | Specular clear |
| <b>1046CD</b> | Clear diffuse  |

### 5" Step baffle

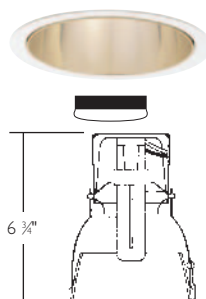


| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple         |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple         |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |

#### Reflector

|                |  |
|----------------|--|
| <b>1005</b>    | Matte black                                |
| <b>1005WH</b>  | Matte white                                |
| <b>1005NM</b>  | Matte black, natural metal flange          |
| <b>1005BNM</b> | Natural metal baffle, natural metal flange |

### 5" Aperture cone

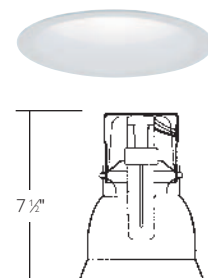


| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple         |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple         |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |

#### Reflector

|               |                |                 |                                      |
|---------------|----------------|-----------------|--------------------------------------|
| <b>1008</b>   | Brushed gold   | <b>1008NM</b>   | Brushed gold, natural metal flange   |
| <b>1010</b>   | Brushed clear  | <b>1010NM</b>   | Brushed clear, natural metal flange  |
| <b>1012</b>   | Specular gold  | <b>1012NM</b>   | Specular gold, natural metal flange  |
| <b>1013</b>   | Specular clear | <b>1013NM</b>   | Specular clear, natural metal flange |
| <b>1013BK</b> | Specular black | <b>1013BKNM</b> | Specular black, natural metal flange |
| <b>1013CD</b> | Clear diffuse  | <b>1013CDNM</b> | Clear diffuse, natural metal flange  |
| <b>1013WH</b> | Matte white    |                 |                                      |

### 5" Basic white reflector

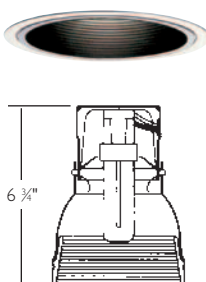


| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple         |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple         |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |

#### Reflector

|             |             |
|-------------|-------------|
| <b>1071</b> | Perma White |
|-------------|-------------|

### 5" Basic baffle



| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple         |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple         |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |

#### Reflector

|               |                |
|---------------|----------------|
| <b>1076</b>   | Specular black |
| <b>1076WH</b> | Gloss white    |

### Open

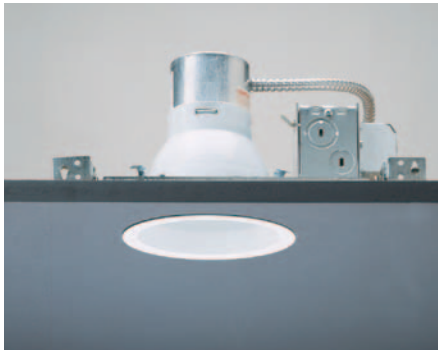
- Simple and economical, these downlights are well-suited for office corridors and back offices where large amounts of light are not needed.
- A complete selection of reflector trims are available. Simply compare the photometrics to find those best suited to your need.

Note: 13W quad tube lamp shown for reference only.

\* = Series contains Energy Star® qualified frame-in kits

Accepts Lytegems, see page 1.333.





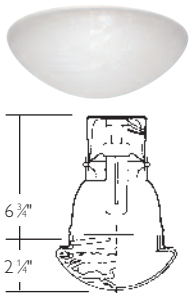
# Lytecaster compact fluorescent

## 5" Reflector trims

These one-lamp enclosed downlights are designed for wet locations in both residential and commercial environments.

- Ideal for closets, bathrooms, showers and similar applications where an enclosed downlight is required.

### 5" Cratere dome

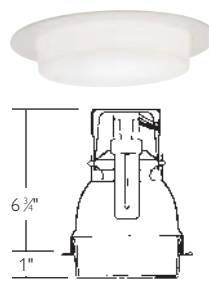


**Reflector**

**1024** Cratere Glass

| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple or quad |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple or quad |
| <b>1001F13U</b>         | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F26 Series</b>   | 26W     | (1) Triple         |
| <b>1001FD26L Series</b> | 26W     | (1) Triple         |
| <b>1001FD26M Series</b> | 26W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |
| <b>1001F26IC Series</b> | 26W     | (1) Triple or quad |
| <b>1001FDIC Series</b>  | 26W     | (1) Triple         |

### 5" Basic opalex

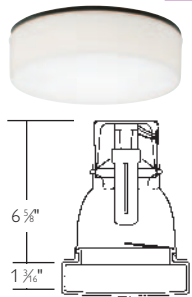


**Reflector**

**1078** Lexan

| Frame-in kit            | Wattage | Lamping            |
|-------------------------|---------|--------------------|
| <b>1004F13 Series*</b>  | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b>  | 18W     | (1) Triple or quad |
| <b>1004F26 Series*</b>  | 26W     | (1) Triple         |
| <b>1001F13U</b>         | 13W     | (1) Triple or quad |
| <b>1001F18 Series</b>   | 18W     | (1) Triple         |
| <b>1001F26 Series</b>   | 26W     | (1) Triple         |
| <b>1001FD26L Series</b> | 26W     | (1) Triple         |
| <b>1001FD26M Series</b> | 26W     | (1) Triple         |
| <b>1001F13IC Series</b> | 13W     | (1) Triple         |
| <b>1001F18IC Series</b> | 18W     | (1) Triple         |
| <b>1001F26IC Series</b> | 26W     | (1) Triple         |
| <b>1001FDIC Series</b>  | 26W     | (1) Triple         |

### 5" Opal disk

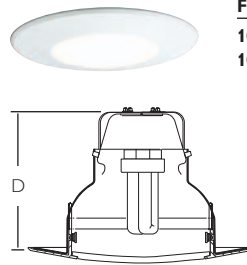


**Reflector**

**1021** Opal Glass

| Frame-in kit           | Wattage | Lamping            |
|------------------------|---------|--------------------|
| <b>1004F13 Series*</b> | 13W     | (1) Triple or quad |
| <b>1004F18 Series*</b> | 18W     | (1) Triple or quad |
| <b>1004F26 Series*</b> | 26W     | (1) Triple or quad |
| <b>1001F13U</b>        | 13W     | (1) Triple or quad |

### 5", 6 3/4" Basic flush

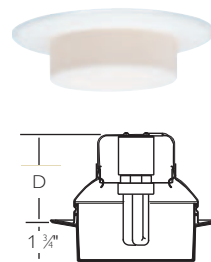


**Reflector**

**1177LX** Glass

| Frame-in kit           | Wattage | Lamping    |
|------------------------|---------|------------|
| <b>1004F13 Series*</b> | 13W     | (1) Triple |
| <b>1004F18 Series*</b> | 18W     | (1) Triple |

### 5", 6 3/4" Basic dropped



**Reflector**

**1178LX** Lexan

| Frame-in kit           | Wattage | Lamping    |
|------------------------|---------|------------|
| <b>1004F13 Series*</b> | 13W     | (1) Triple |

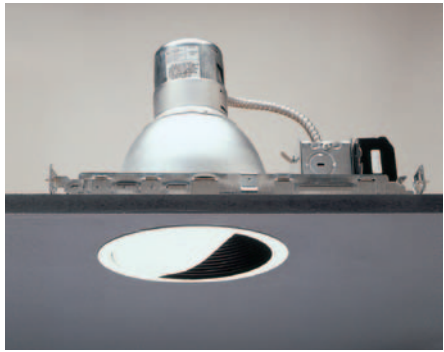
Note: 13W quad tube lamp shown for reference only.

\* = Series contains Energy Star® qualified frame-in kits

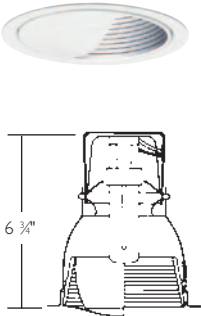
# Lytecaster compact fluorescent

## 5" Wall washing trims

- Lytecaster 5" CFL Wall Washers feature one 13W Quad or 13-26W Triple Tube Lamp, and are ideally sized for ceilings 9 feet and under. These wall washers can be used to enhance the sense of spaciousness in smaller rooms



### 5" Step baffle wall washer



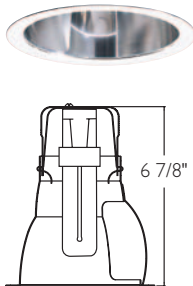
| 1x13W<br>QT | Footcandles on wall |    |    |    |   |   |
|-------------|---------------------|----|----|----|---|---|
|             | 2'                  |    |    | 3' |   |   |
| 1'          | 8                   | 8  | 8  | 7  | 4 | 7 |
| 2'          | 11                  | 11 | 11 | 8  | 7 | 8 |
| 3'          | 9                   | 9  | 9  | 6  | 6 | 6 |
| 4'          | 6                   | 6  | 6  | 4  | 4 | 4 |
| 5'          | 4                   | 4  | 4  | 3  | 3 | 3 |
| 6'          | 3                   | 3  | 3  | 2  | 2 | 2 |
| 7'          | 2                   | 2  | 2  | 1  | 1 | 1 |
| 8'          | 1                   | 1  | 1  | 1  | 1 | 1 |
| 9'          | 1                   | 1  | 1  | 1  | 1 | 1 |

Note: Data based on a minimum of 5 units

| Frame-in kit     | Wattage | Lamping            |
|------------------|---------|--------------------|
| 1004F13 Series*  | 13W     | (1) Triple or quad |
| 1004F18 Series*  | 18W     | (1) Triple         |
| 1004F26 Series*  | 26W     | (1) Triple         |
| 1001F13U         | 13W     | (1) Triple         |
| 1001F18 Series   | 18W     | (1) Triple         |
| 1001F13IC Series | 13W     | (1) Triple         |
| 1001F18IC Series | 18W     | (1) Triple         |

- Reflector**
- 1035 Matte black step baffle
  - 1035WH Matte white step baffle

### 5" Open downlight wall washer



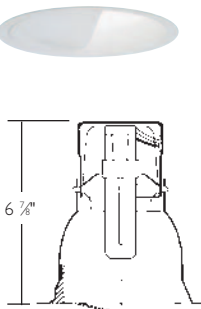
| 1x13W<br>QT | Footcandles on wall |    |    |    |    |    |
|-------------|---------------------|----|----|----|----|----|
|             | 2'                  |    |    | 3' |    |    |
| 1'          | 13                  | 12 | 13 | 10 | 7  | 10 |
| 2'          | 17                  | 17 | 17 | 13 | 10 | 13 |
| 3'          | 15                  | 15 | 15 | 11 | 9  | 11 |
| 4'          | 11                  | 11 | 11 | 8  | 7  | 8  |
| 5'          | 8                   | 8  | 8  | 6  | 6  | 6  |
| 6'          | 6                   | 6  | 6  | 4  | 4  | 4  |
| 7'          | 5                   | 5  | 5  | 3  | 3  | 3  |
| 8'          | 4                   | 4  | 4  | 3  | 3  | 3  |
| 9'          | 3                   | 3  | 3  | 2  | 2  | 2  |

Note: Data based on a minimum of 5 units

| Frame-in kit     | Wattage | Lamping    |
|------------------|---------|------------|
| 1001F13U         | 13W     | (1) Triple |
| 1001F18 Series   | 18W     | (1) Triple |
| 1001F13IC Series | 13W     | (1) Triple |
| 1001F18IC Series | 18W     | (1) Triple |

- Reflector**
- 1095 Specular gold
  - 1096 Specular clear
  - 1096CD Clear diffuse

### 5" Basic wall washer



| 1x13W<br>QT | Footcandles on wall |    |    |    |   |   |
|-------------|---------------------|----|----|----|---|---|
|             | 2'                  |    |    | 3' |   |   |
| 1'          | 6                   | 5  | 6  | 5  | 3 | 5 |
| 2'          | 10                  | 10 | 10 | 7  | 6 | 7 |
| 3'          | 8                   | 8  | 8  | 6  | 5 | 6 |
| 4'          | 6                   | 6  | 6  | 4  | 4 | 4 |
| 5'          | 4                   | 4  | 4  | 3  | 3 | 3 |
| 6'          | 3                   | 2  | 3  | 2  | 2 | 2 |
| 7'          | 2                   | 2  | 2  | 1  | 1 | 1 |
| 8'          | 1                   | 1  | 1  | 1  | 1 | 1 |
| 9'          | 1                   | 1  | 1  | 1  | 1 | 1 |

Note: Data based on a minimum of 5 units

| Frame-in kit     | Wattage | Lamping            |
|------------------|---------|--------------------|
| 1004F13 Series*  | 13W     | (1) Triple or quad |
| 1004F18 Series*  | 18W     | (1) Triple         |
| 1004F26 Series*  | 26W     | (1) Triple         |
| 1001F13U         | 13W     | (1) Triple         |
| 1001F18 Series   | 18W     | (1) Triple         |
| 1001F13IC Series | 13W     | (1) Triple         |
| 1001F18IC Series | 18W     | (1) Triple         |

- Reflector**
- 1085 Gloss white

Note: 13W quad tube lamp shown for reference only.

\* = Series contains Energy Star® qualified frame-in kits



# Lytecaster compact fluorescent

## 6 3/4" Reflector trims

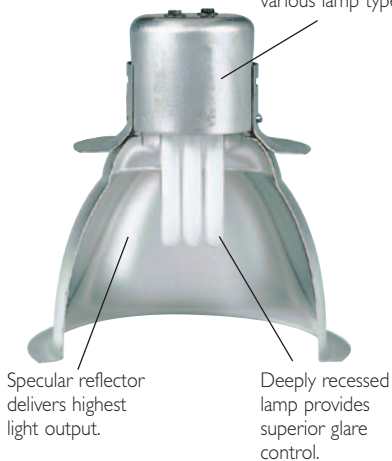
For applications demanding higher light output, these Energy Smart 6 3/4" open downlights offer all the performance required in ceilings up to 12 feet.

### 6 3/4" Open

- Choose from one and two-light 13W quad tube units or one-light 13W, 18W, 26W or 32W Triple tube units.
- Triple tube lamps provide a powerful, compact source that delivers superior energy efficiency and a better distribution of light. They also produce better lumen output over a wider range of ambient temperatures than quad tube lamps.
- Deep anodized provides the highest output and best lamp shielding. Aperture cones offer improved glare control.

### Deep anodized

2-position socket cup accommodates various lamp types.



\* = Series contains Energy Star® qualified frame-in kits

Accepts Lytegems, see page 1.333.

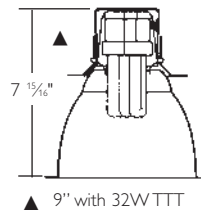


### 6 3/4" Deep anodized



#### Reflector

|               |                        |
|---------------|------------------------|
| <b>1145</b>   | Specular gold          |
| <b>1146</b>   | Specular clear         |
| <b>1146CD</b> | Specular clear diffuse |



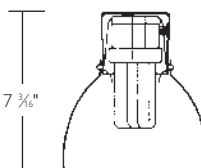
| Frame-in kit              | Wattage   | Lamping            |
|---------------------------|-----------|--------------------|
| <b>1100FT Series*</b>     | 26/32W    | (1) Triple         |
| <b>1101F18 Series</b>     | 18W       | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32/42W | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W       | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W       | (1) Triple         |
| <b>1101FD2642M Series</b> | 26W       | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W       | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26W       | (1) Triple         |
| <b>1101FDIC Series</b>    | 26W       | (1) Triple or quad |
|                           | 32/42W    | (1) Triple         |

### 6 3/4" Shallow anodized



#### Reflector

|               |                        |
|---------------|------------------------|
| <b>1143</b>   | Specular gold          |
| <b>1144</b>   | Specular clear         |
| <b>1144CD</b> | Specular clear diffuse |



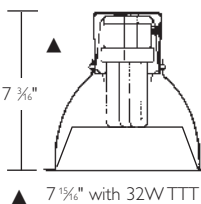
| Frame-in kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple         |
| <b>1101F18 Series</b>     | 18W     | (1) Triple         |
| <b>1101F2642 Series</b>   | 26W     | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26W     | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple         |
| <b>1101F2642IC Series</b> | 26W     | (1) Triple         |

### 6 3/4" Aperture cone



#### Reflector

|               |                |                 |                                      |
|---------------|----------------|-----------------|--------------------------------------|
| <b>1108</b>   | Brushed gold   | <b>1108NM</b>   | Brushed gold, natural metal flange   |
| <b>1110</b>   | Brushed clear  | <b>1110NM</b>   | Brushed clear, natural metal flange  |
| <b>1112</b>   | Specular gold  | <b>1112NM</b>   | Specular gold, natural metal flange  |
| <b>1113</b>   | Specular clear | <b>1113NM</b>   | Specular clear, natural metal flange |
| <b>1113BK</b> | Specular black | <b>1113BKNM</b> | Specular black, natural metal flange |
| <b>1113CD</b> | Clear diffuse  | <b>113CDNM</b>  | Clear diffuse, natural metal flange  |
| <b>1113WH</b> | Matte white    |                 |                                      |



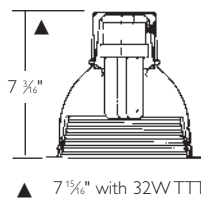
| Frame-in kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple or quad |
| <b>1101F18 Series</b>     | 18W     | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26W     | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple         |
| <b>1101FD32L Series</b>   | 32W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26W/32W | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32W  | (1) Triple         |
| <b>1101FDIC Series</b>    | 26/32W  | (1) Triple         |

### 6 3/4" Step baffle



#### Reflector

|                |  |
|----------------|--|
| <b>1105</b>    | Matte black                                |
| <b>1105WH</b>  | Matte white                                |
| <b>1105NM</b>  | Matte black, natural metal flange          |
| <b>1105BNM</b> | Natural metal baffle, natural metal flange |



| Frame-in Kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple or quad |
| <b>1101F18 Series</b>     | 18W     | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26W     | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple         |
| <b>1101FD32L Series</b>   | 32W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26/32W  | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple or quad |
| <b>1101F2642IC Series</b> | 26/32W  | (1) Triple         |
| <b>1101FDIC Series</b>    | 26/32W  | (1) Triple         |

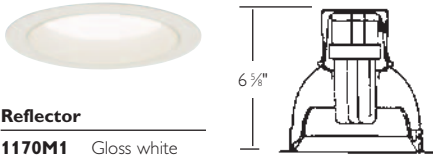
# Lytecaster compact fluorescent

## 6 3/4" Reflector trims

White die-cast aluminum Cross Blade shields view of light source and provides a soft lighting effect that descallops the beam. Basic Baffle features a Perma White upper reflector and a phenolic baffle to reduce glare.



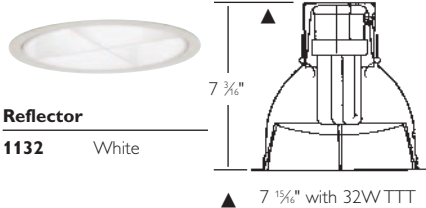
### 6 3/4" Basic white reflector



**Reflector**  
**1170M1** Gloss white

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1100FT Series*</b>    | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>   | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>   | 18W     | (1) Triple         |
| <b>1104F2632 Series*</b> | 26/32W  | (1) Triple         |

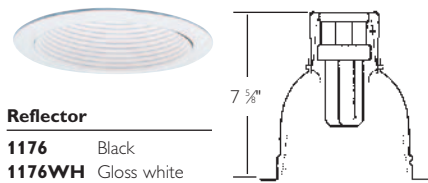
### 6 3/4" Cross blade



**Reflector**  
**1132** White

| Frame-in kit            | Wattage | Lamping    |
|-------------------------|---------|------------|
| <b>1100FT Series*</b>   | 26/32W  | (1) Triple |
| <b>1101F18 Series</b>   | 18W     | (1) Triple |
| <b>1101F18IC Series</b> | 18W     | (1) Triple |

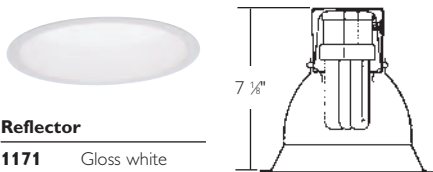
### 6 3/4" Basic baffle



**Reflector**  
**1176** Black  
**1176WH** Gloss white

| Frame-in kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple or quad |
| <b>1101F18 Series</b>     | 18W     | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32W  | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple         |
| <b>1101FD32L Series</b>   | 32W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26/32W  | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple or quad |
| <b>1101F2642I Series</b>  | 26/32W  | (1) Triple         |
| <b>1101FDIC Series</b>    | 26/32W  | (1) Triple         |

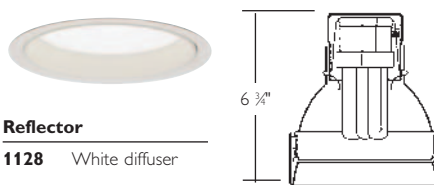
### 6 3/4" Basic white reflector



**Reflector**  
**1171** Gloss white

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1100FT Series*</b>    | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>   | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>   | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b> | 26/32W  | (1) Triple or quad |

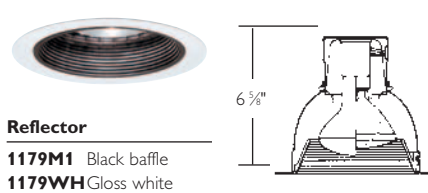
### 6 3/4" White diffuser



**Reflector**  
**1128** White diffuser

| Frame-in kit           | Wattage | Lamping    |
|------------------------|---------|------------|
| <b>1100FT Series*</b>  | 26W     | (1) Triple |
| <b>1104F13 Series*</b> | 13W     | (1) Triple |
| <b>1104F18 Series*</b> | 18W     | (1) Triple |

### 6 3/4" Basic baffle



**Reflector**  
**1179M1** Black baffle  
**1179WH** Gloss white

| Frame-in kit           | Wattage | Lamping            |
|------------------------|---------|--------------------|
| <b>1100FT Series*</b>  | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b> | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b> | 18W     | (1) Triple         |

\* = Series contains Energy Star® qualified frame-in kits





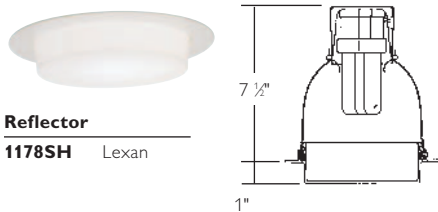
# Lytecaster compact fluorescent

## 6 3/4" Wet location trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

- Fresnel Lens provides the most concentrated light output while the White Diffuser effectively hides the light source.
- Basic Opalex is available with a choice of twist-off Flush and Dropped Lexan diffusers for durability and easy re-lamping.

### 6 3/4" Basic opalex – dropped

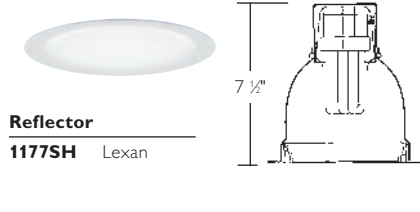


**Reflector**

**1178SH** Lexan

| Frame-in kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26W     | (1) Triple         |
| <b>1100AICMFT</b>         | 26W     | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple or quad |
| <b>1101F18 Series</b>     | 18W     | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26W     | (1) Triple or quad |
|                           | 32/42W  | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26W     | (1) Triple or quad |
|                           | 32/42W  | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple or quad |
| <b>1101F2642I Series</b>  | 26W     | (1) Triple or quad |
|                           | 32W     | (1) Triple         |
| <b>1101FDIC Series</b>    | 26W     | (1) Triple or quad |
|                           | 32W     | (1) Triple         |

### 6 3/4" Basic opalex – flush

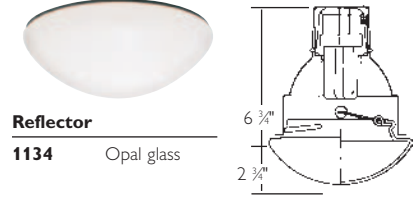


**Reflector**

**1177SH** Lexan

| Frame-in kit              | Wattage | Lamping            |
|---------------------------|---------|--------------------|
| <b>1100FT Series*</b>     | 26/32W  | (1) Triple         |
| <b>1100AICMFT</b>         | 26W     | (1) Triple         |
| <b>1104F13 Series*</b>    | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>    | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b>  | 26/32W  | (1) Triple         |
| <b>1101F18 Series</b>     | 18W     | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26/32W  | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W     | (1) Triple         |
| <b>1101FD32L Series</b>   | 32W     | (1) Triple         |
| <b>1101FD2642M Series</b> | 26/32W  | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W     | (1) Triple or quad |
| <b>1101F2642I Series</b>  | 26/32W  | (1) Triple         |
| <b>1101FDIC Series</b>    | 26/32W  | (1) Triple         |

### 6 3/4" Opal dome

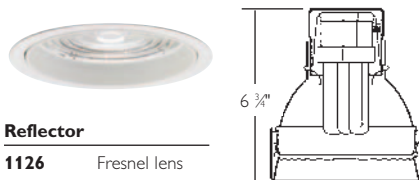


**Reflector**

**1134** Opal glass

| Frame-in kit             | Wattage  | Lamping            |
|--------------------------|----------|--------------------|
| <b>1100FT Series*</b>    | 26/32W** | (1) Triple         |
| <b>1104F13 Series*</b>   | 13W      | (1) Triple or quad |
| <b>1104F18 Series*</b>   | 18W      | (1) Triple or quad |
| <b>1104F2632 Series*</b> | 26/32W   | (1) Triple or quad |
| <b>1101F18 Series</b>    | 18W      | (1) Triple or quad |
| <b>1101F2642 Series</b>  | 26W      | (1) Triple or quad |
|                          | 32/42W   | (1) Triple         |
| <b>1101FD26L Series</b>  | 26W      | (1) Triple or quad |
| <b>1101FD32L Series</b>  | 32W      | (1) Triple         |
| <b>1101F2642M Series</b> | 26W      | (1) Triple or quad |
|                          | 32/42W   | (1) Triple         |
| <b>1101F18IC Series</b>  | 18W      | (1) Triple or quad |
| <b>1101F2642I Series</b> | 26W      | (1) Triple or quad |
|                          | 32/42W   | (1) Triple         |
| <b>1101FDIC Series</b>   | 26W      | (1) Triple or quad |
|                          | 32/42W   | (1) Triple         |

### 6 3/4" Fresnel lenslite



**Reflector**

**1126** Fresnel lens

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1100FT Series*</b>    | 26W     | (1) Triple         |
| <b>1104F13 Series*</b>   | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>   | 18W     | (1) Triple         |
| <b>1104F2632 Series*</b> | 26/32W  | (1) Triple         |

\* = Series contains Energy Star® qualified frame-in kits

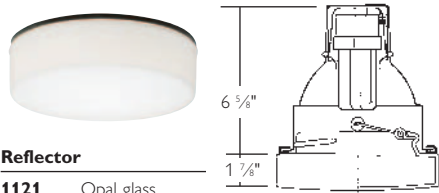
# Lytecaster compact fluorescent

## 6 3/4" Wet location trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.



### 6 3/4" Opal disk

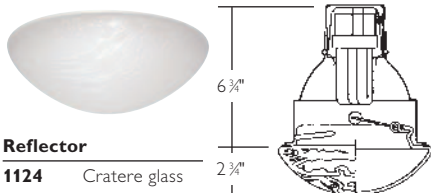


**Reflector**

**1121** Opal glass

| Frame-in kit             | Wattage   | Lamping        |
|--------------------------|-----------|----------------|
| <b>1101F18U Series</b>   | 18w       | Triple or quad |
| <b>1101F2642U Series</b> | 26/32/42w | Triple or quad |
| <b>1104F13 Series</b>    | 13w       | Triple or quad |
| <b>1104F18 Series</b>    | 18w       | Triple or quad |
| <b>1104F2632 Series</b>  | 26/32w    | Triple or quad |
| <b>1100FTU Series</b>    | 26/32w    | Triple         |
| <b>1101F18ICU/N</b>      | 18w       | Triple or quad |
| <b>1101F2642ICU</b>      | 26/32/42w | Triple or quad |
| <b>1101F2642IUN</b>      | 26/32/42w | Triple or quad |
| <b>1101FDICMX1/N</b>     | 26/32w    | Triple or quad |
| <b>1101FDICMX2/N</b>     | 26/32w    | Triple or quad |

### 6 3/4" Cratere dome

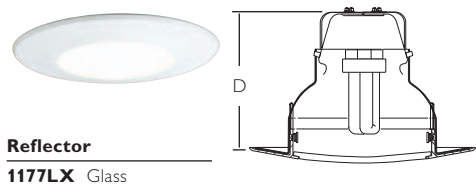


**Reflector**

**1124** Cratere glass

| Frame-in kit             | Wattage   | Lamping        |
|--------------------------|-----------|----------------|
| <b>1101F18U Series</b>   | 18w       | Triple or quad |
| <b>1101F2642U Series</b> | 26/32/42w | Triple or quad |
| <b>1104F13 Series</b>    | 13w       | Triple or quad |
| <b>1104F18 Series</b>    | 18w       | Triple or quad |
| <b>1104F2632 Series</b>  | 26/32w    | Triple or quad |
| <b>1100FTU Series</b>    | 26/32w    | Triple         |
| <b>1101F18ICU/N</b>      | 18w       | Triple or quad |
| <b>1101F2642ICU</b>      | 26/32/42w | Triple or quad |
| <b>1101F2642IUN</b>      | 26/32/42w | Triple or quad |
| <b>1101FDICMX1/N</b>     | 26/32w    | Triple or quad |
| <b>1101FDICMX2/N</b>     | 26/32w    | Triple or quad |

### 6 3/4" Basic flush

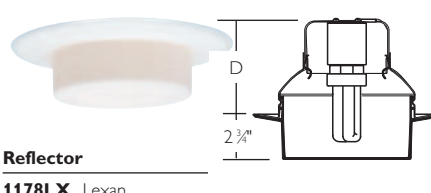


**Reflector**

**1177LX** Glass

| Frame-in kit          | Wattage | Lamping |
|-----------------------|---------|---------|
| <b>1004F13 Series</b> | 13w     | Triple  |
| <b>1004F18 Series</b> | 18w     | Triple  |
| <b>1104F13 Series</b> | 13w     | Triple  |
| <b>1104F18 Series</b> | 18w     | Triple  |

### 6 3/4" Basic dropped



**Reflector**

**1178LX** Lexan

| Frame-in kit          | Wattage | Lamping |
|-----------------------|---------|---------|
| <b>1004F13 Series</b> | 13w     | Triple  |
| <b>1004F18 Series</b> | 18w     | Triple  |
| <b>1104F13 Series</b> | 13w     | Triple  |
| <b>1104F18 Series</b> | 18w     | Triple  |

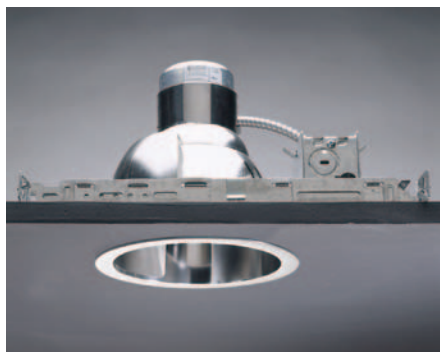
### 6 3/4" Decorative flat lens



**Reflector**

**1190** Decorative glass

| Frame-in kit            | Wattage | Lamping        |
|-------------------------|---------|----------------|
| <b>1101F18U Series</b>  | 18w     | Triple         |
| <b>1104F13 Series</b>   | 13w     | Triple or quad |
| <b>1104F18 Series</b>   | 18w     | Triple         |
| <b>1104F2632 Series</b> | 26/32w  | Triple         |
| <b>1101F18ICU/N</b>     | 18w     | Triple         |



• **6 3/4" Open downlight wall washer** is ideal for the most demanding light commercial wall washing applications. Largest aperture and highest wattage Triple Tube lamps deliver excellent performance and economy in higher ceiling applications. Open design matches 6 3/4" deep Specular® downlights (p. 55) and provides a general downlighting component.



**Wall washers**

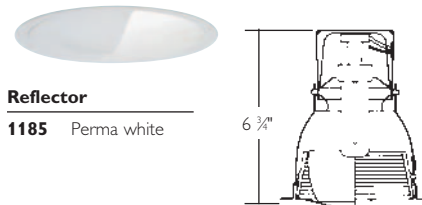
- **6 3/4" Wall washer** provides more output for commercial environments with higher ceilings such as hotel lobbies, corporate offices, retail settings and similar spaces.
- Accommodating the 32W Triple Tube lamp in both AirSeal® IC and Non-IC housings, Baffled Wall Washers provide superior long-term energy efficiency.

# Lytecaster compact fluorescent

## 6 3/4" Wall washing trims

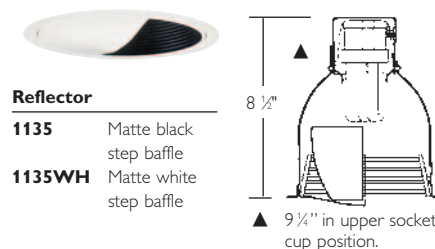
6 3/4" Wall washers provide more output for commercial environments with higher ceilings such as hotel lobbies, corporate offices, retail settings and similar spaces.

### 6 3/4" Basic wall washer



**Reflector**  
**1185** Perma white

### 6 3/4" Step baffle wall washer



**Reflector**  
**1135** Matte black step baffle  
**1135WH** Matte white step baffle

| 1x13W<br>QT | Footcandles on wall |    |    |    |   |   |
|-------------|---------------------|----|----|----|---|---|
|             | 2'                  |    |    | 3' |   |   |
| 1'          | 8                   | 8  | 8  | 7  | 4 | 7 |
| 2'          | 11                  | 11 | 11 | 8  | 7 | 8 |
| 3'          | 9                   | 9  | 9  | 6  | 6 | 6 |
| 4'          | 6                   | 6  | 6  | 4  | 4 | 4 |
| 5'          | 4                   | 4  | 4  | 3  | 3 | 3 |
| 6'          | 3                   | 3  | 3  | 2  | 2 | 2 |
| 7'          | 2                   | 2  | 2  | 1  | 1 | 1 |
| 8'          | 1                   | 1  | 1  | 1  | 1 | 1 |
| 9'          | 1                   | 1  | 1  | 1  | 1 | 1 |

Note: Data based on a minimum of 5 units

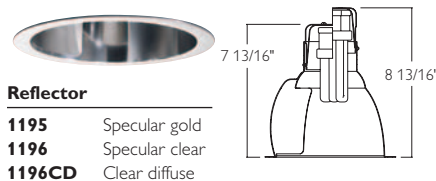
| 1x13W<br>TTT | Footcandles on wall |    |    |    |    |    |
|--------------|---------------------|----|----|----|----|----|
|              | 2'                  |    |    | 3' |    |    |
| 1'           | 52                  | 50 | 52 | 40 | 29 | 40 |
| 2'           | 57                  | 55 | 57 | 41 | 35 | 41 |
| 3'           | 41                  | 41 | 41 | 29 | 26 | 29 |
| 4'           | 27                  | 27 | 27 | 19 | 18 | 19 |
| 5'           | 16                  | 16 | 16 | 13 | 13 | 13 |
| 6'           | 12                  | 12 | 12 | 8  | 8  | 9  |
| 7'           | 8                   | 8  | 8  | 6  | 6  | 6  |
| 8'           | 5                   | 5  | 5  | 4  | 4  | 4  |
| 9'           | 4                   | 4  | 4  | 3  | 3  | 3  |

Note: Data based on a minimum of 5 units

| Frame-in kit             | Wattage | Lamping            |
|--------------------------|---------|--------------------|
| <b>1100FT Series*</b>    | 26/32W  | (1) Triple         |
| <b>1104F13 Series*</b>   | 13W     | (1) Triple or quad |
| <b>1104F18 Series*</b>   | 18W     | (1) Triple or quad |
| <b>1104F2632 Series*</b> | 26/32W  | (1) Triple         |

| Frame-in kit              | Wattages | Lamping            |
|---------------------------|----------|--------------------|
| <b>1100FT Series</b>      | 26/32W   | (1) Triple or quad |
| <b>1101F18 Series</b>     | 18W      | (1) Triple or quad |
| <b>1101F2642 Series</b>   | 26W      | (1) Triple or quad |
|                           | 32/42W   | (1) Triple         |
| <b>1101FD26L Series</b>   | 26W      | (1) Triple or quad |
| <b>1101FD32L Series</b>   | 32W      | (1) Triple         |
| <b>1101FD2642M Series</b> | 26W      | (1) Triple or quad |
|                           | 32/42W   | (1) Triple         |
| <b>1101F18IC Series</b>   | 18W      | (1) Triple or quad |
| <b>1101F2642I Series</b>  | 26W      | (1) Triple or quad |
|                           | 32/42W   | (1) Triple         |
| <b>1101FDIC Series</b>    | 26W      | (1) Triple or quad |
|                           | 32/42W   | (1) Triple         |

### 6 3/4" Open downlight wall washer



**Reflector**  
**1195** Specular gold  
**1196** Specular clear  
**1196CD** Clear diffuse

| 1x13W<br>TTT | Footcandles on wall |    |    |    |    |    |
|--------------|---------------------|----|----|----|----|----|
|              | 2'                  |    |    | 3' |    |    |
| 1'           | 48                  | 46 | 48 | 36 | 28 | 36 |
| 2'           | 54                  | 51 | 54 | 39 | 31 | 39 |
| 3'           | 43                  | 43 | 43 | 29 | 29 | 29 |
| 4'           | 31                  | 32 | 31 | 21 | 22 | 21 |
| 5'           | 22                  | 23 | 22 | 15 | 16 | 15 |
| 6'           | 16                  | 16 | 16 | 12 | 12 | 12 |
| 7'           | 12                  | 12 | 12 | 9  | 9  | 9  |
| 8'           | 9                   | 9  | 9  | 7  | 7  | 7  |
| 9'           | 7                   | 7  | 7  | 6  | 6  | 6  |

Note: Data based on a minimum of 5 units

\* = Series contains Energy Star® Qualified Frame-in Kits

# Lytecaster compact fluorescent

## 6 3/4" Low profile trims

The 1102T series Compact Fluorescent Frame-in Kits offer the widest selection of commercial lamp and ballast options in the shallowest recessed design available today.

- Features an extensive selection of high performance open reflector trims and enclosed, wet location diffusers to provide solutions to the most demanding lighting challenges.
- Choose from 13W Twin Tube with magnetic ballast or 13W, 18W and 26W Quad Tube fixtures equipped with flicker-free, energy-efficient electronic ballasts.



## 6 3/4" Low profile anodized cone



### Reflector

- 1113TGD** Specular gold
- 1113TCL** Specular clear
- 1113TWH** Gloss white

| 2 x 13W TT Single Unit   |                         |           | 2 x 26W QT Single Unit   |                         |           |
|--------------------------|-------------------------|-----------|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30° above floor | Beam Dia. | Ht. to Floor             | F.C. at 30° above floor | Beam Dia. |
| 8'                       | 14                      | 10'       | 8'                       | 23                      | 13'       |
| 10'                      | 8                       | 14'       | 10'                      | 12                      | 18'       |
| 12'                      | 5                       | 17'       | 12'                      | 8                       | 23'       |
| Multiple units /S.R.=1.5 |                         |           | Multiple units /S.R.=1.5 |                         |           |
| Ctr. to Footcandles      |                         |           | Ctr. to Footcandles      |                         |           |
| Ctr.                     | Lrg. Room               | Sml. Room | Ctr.                     | Lrg. Room               | Sml. Room |
| 4'                       | 62                      | 47        | 4'                       | 101                     | 77        |
| 6'                       | 28                      | 21        | 6'                       | 45                      | 34        |
| 8'                       | 15                      | 12        | 8'                       | 25                      | 19        |

For white diffuser order 1913T



| Frame-in kit          | Lamping     |
|-----------------------|-------------|
| <b>1102T Series</b>   | 2 x 13 Twin |
| <b>1102T13 Series</b> | 2 x 13 Quad |
| <b>1102T18 Series</b> | 2 x 18 Quad |
| <b>1102T26 Series</b> | 2 x 26 Quad |

For more detail see frame-in kit chart on pages 1.319-1.320.

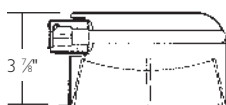
## 6 3/4" Low profile cross blade



### Reflector

- 1132T** White
- \* Suitable for wall mounting

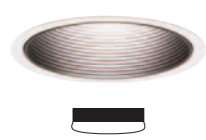
| 2 x 13W TT Single Unit   |                         |           | 2 x 26W QT Single Unit   |                         |           |
|--------------------------|-------------------------|-----------|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30° above floor | Beam Dia. | Ht. to Floor             | F.C. at 30° above floor | Beam Dia. |
| 8'                       | 14                      | 8'        | 8'                       | 22                      | 9'        |
| 9'                       | 10                      | 9'        | 10'                      | 12                      | 13'       |
| 10'                      | 8                       | 11'       | 12'                      | 7                       | 16'       |
| Multiple units /S.R.=1.0 |                         |           | Multiple units /S.R.=1.0 |                         |           |
| Ctr. to Footcandles      |                         |           | Ctr. to Footcandles      |                         |           |
| Ctr.                     | Lrg. Room               | Sml. Room | Ctr.                     | Lrg. Room               | Sml. Room |
| 4'                       | 42                      | 33        | 4'                       | 74                      | 54        |
| 6'                       | 19                      | 14        | 6'                       | 33                      | 24        |
| 8'                       | 10                      | 8         | 8'                       | 19                      | 14        |



| Frame-in kit          | Lamping      |
|-----------------------|--------------|
| <b>1102T Series</b>   | 2 x 13 Twin* |
| <b>1102T13 Series</b> | 2 x 13 Quad  |
| <b>1102T18 Series</b> | 2 x 18 Quad  |
| <b>1102T26 Series</b> | 2 x 26 Quad  |

For more detail see frame-in kit chart on pages 1.319-1.320.

## 6 3/4" Low profile step baffle



### Reflector

- 1105T** Matte Black
- 1105TWH** Matte white
- \* Suitable for wall mounting.

| 2 x 13W TT Single Unit   |                         |           | 2 x 26W QT Single Unit   |                         |           |
|--------------------------|-------------------------|-----------|--------------------------|-------------------------|-----------|
| Ht. to Floor             | F.C. at 30° above floor | Beam Dia. | Ht. to Floor             | F.C. at 30° above floor | Beam Dia. |
| 8'                       | 12                      | 10'       | 8'                       | 17                      | 11'       |
| 9'                       | 8                       | 12'       | 10'                      | 9                       | 15'       |
| 10'                      | 6                       | 14'       | 12'                      | 6                       | 19'       |
| Multiple units /S.R.=1.2 |                         |           | Multiple units /S.R.=1.2 |                         |           |
| Ctr. to Footcandles      |                         |           | Ctr. to Footcandles      |                         |           |
| Ctr.                     | Lrg. Room               | Sml. Room | Ctr.                     | Lrg. Room               | Sml. Room |
| 4'                       | 38                      | 30        | 4'                       | 63                      | 50        |
| 6'                       | 17                      | 14        | 6'                       | 28                      | 22        |
| 8'                       | 10                      | 8         | 8'                       | 16                      | 12        |



| Frame-in kit          | Lamping      |
|-----------------------|--------------|
| <b>1102T Series</b>   | 2 x 13 Twin* |
| <b>1102T13 Series</b> | 2 x 13 Quad  |
| <b>1102T18 Series</b> | 2 x 18 Quad  |
| <b>1102T26 Series</b> | 2 x 26 Quad  |

For more detail see frame-in kit chart on pages 1.319-1.320.

## 6 3/4" Low profile step baffle wall washer



### Reflector

- 1135T** Matte black step baffle
- 1135TWH** Matte white step baffle

| Distance from ceiling | 2x13W TT Footcandles on wall |    |    |    |    |    |
|-----------------------|------------------------------|----|----|----|----|----|
|                       | 2'                           |    | 3' |    | 3' |    |
| 1'                    | 27                           | 27 | 27 | 19 | 16 | 19 |
| 2'                    | 22                           | 22 | 22 | 16 | 14 | 16 |
| 3'                    | 17                           | 17 | 17 | 11 | 11 | 11 |
| 4'                    | 12                           | 12 | 12 | 8  | 9  | 8  |
| 5'                    | 9                            | 9  | 9  | 6  | 6  | 6  |
| 6'                    | 6                            | 6  | 6  | 5  | 5  | 5  |
| 7'                    | 4                            | 4  | 4  | 3  | 3  | 3  |
| 8'                    | 3                            | 3  | 3  | 3  | 3  | 3  |
| 9"                    | 2                            | 2  | 2  | 2  | 2  | 2  |

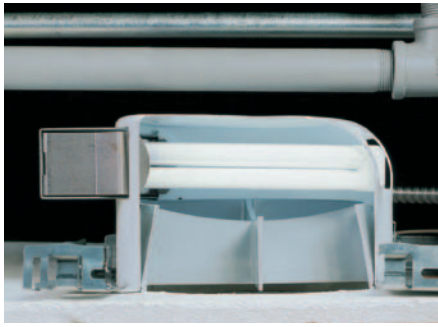
  

| Distance from ceiling | 2x26W TT Footcandles on wall |    |    |    |    |    |
|-----------------------|------------------------------|----|----|----|----|----|
|                       | 2'                           |    | 3' |    | 3' |    |
| 1'                    | 55                           | 53 | 55 | 41 | 31 | 41 |
| 2'                    | 43                           | 45 | 43 | 30 | 29 | 30 |
| 3'                    | 31                           | 32 | 31 | 21 | 22 | 21 |
| 4'                    | 21                           | 22 | 21 | 15 | 15 | 15 |
| 5'                    | 15                           | 15 | 15 | 10 | 11 | 10 |
| 6'                    | 11                           | 11 | 11 | 8  | 8  | 8  |
| 7'                    | 8                            | 8  | 8  | 6  | 6  | 6  |
| 8'                    | 6                            | 6  | 6  | 5  | 5  | 5  |
| 9"                    | 5                            | 5  | 5  | 4  | 4  | 4  |

Note: Data based on a minimum of 5 units

For more detail see frame-in kit chart on pages 1.319-1.320.





# Lytecaster compact fluorescent

## 6 3/4" Low-profile enclosed wet location trims

The ultra-shallow 3 7/8" depth of the 1102T series allows it to be used where other CFL fixtures won't fit. Perfect for use inside shallow plenums, under sprinkler lines, beneath HVAC ducts and between 2 x 4 steel studs.

### 6 3/4" Low profile fresnel lenslite



**Reflector**

**1126T** Fresnel lens

Suitable for wet location and for wall mount\* in damp location.



**2 x 18W TT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 12                      | 10'       |
| 9'           | 6                       | 14'       |
| 10'          | 4                       | 17'       |

**Multiple units /S.R.=1.2**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 44          | 33        |
| 6'           | 19          | 15        |
| 8'           | 11          | 8         |

**2 x 26W QT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 17                      | 10'       |
| 9'           | 9                       | 14'       |
| 12'          | 6                       | 18'       |

**Multiple units /S.R.=1.2**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 63          | 47        |
| 6'           | 28          | 21        |
| 8'           | 16          | 12        |

**Frame-in kit      Lamping**

- 1102T Series**      2 x 13 Twin\*
- 1102T13 Series**      2 x 13 Quad
- 1102T18 Series**      2 x 18 Quad
- 1102T26 Series**      2 x 26 Quad

For more detail see frame-in kit chart on pages 1.319–1.320.

### 6 3/4" Low profile basic opalex



**Reflector**

**1178T** Lexan® diffuser



**2 x 18W TT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 4                       | 24'       |
| 9'           | 2                       | 32'       |
| 10'          | 1                       | 41'       |

**Multiple units /S.R.=1.3**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 30          | 20        |
| 6'           | 13          | 9         |
| 8'           | 7           | 5         |

**2 x 26W QT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 6                       | 24'       |
| 10'          | 3                       | 32'       |
| 12'          | 2                       | 41'       |

**Multiple units /S.R.=1.3**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 43          | 29        |
| 6'           | 19          | 13        |
| 8'           | 11          | 7         |

**Frame-in kit      Lamping**

- 1102T Series**      2 x 13 Twin
- 1102T13 Series**      2 x 13 Quad
- 1102T18 Series**      2 x 18 Quad
- 1102T26 Series**      2 x 26 Quad

### 6 3/4" Low profile white diffuser



**Reflector**

**1128T** White

Suitable for wet location and for wall mount in damp location.



**2 x 18W TT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 7                       | 13'       |
| 9'           | 4                       | 18'       |
| 10'          | 2                       | 23'       |

**Multiple units /S.R.=1.2**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 30          | 22        |
| 6'           | 13          | 10        |
| 8'           | 7           | 6         |

**2 x 26W QT Single Unit**

| Ht. to Floor | F.C. at 30" above floor | Beam Dia. |
|--------------|-------------------------|-----------|
| 8'           | 10                      | 13'       |
| 10'          | 5                       | 18'       |
| 12'          | 3                       | 23'       |

**Multiple units /S.R.=1.2**

| Ctr. to Ctr. | Footcandles |           |
|--------------|-------------|-----------|
|              | Lrg. Room   | Sml. Room |
| 4'           | 43          | 32        |
| 6'           | 19          | 14        |
| 8'           | 11          | 8         |

**Frame-in kit      Lamping**

- 1102T Series**      2 x 13 Twin
- 1102T13 Series**      2 x 13 Quad
- 1102T18 Series**      2 x 18 Quad
- 1102T26 Series**      2 x 26 Quad

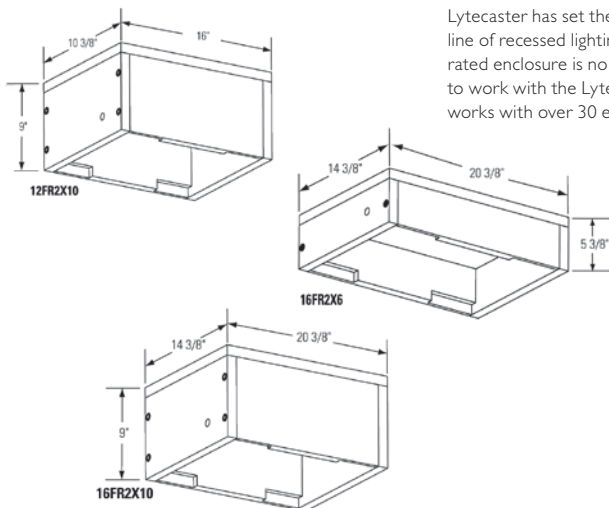
For more detail see frame-in kit chart on pages 1.319–1.320.

# FireLine

## Fire rated enclosure

The first line of defense in fire rated recessed lighting, Philips Lightolier presents the single most flexible and effective solution to increase the fire resistance of recessed downlighting applications. Designed with the distributor, contractor and inspector in mind, FireLine provides a UL® Classified enclosure that is easy to install, flexible and cost effective in maintaining the one-hour fire rating of L500 ceiling assemblies where recessed lighting is used. Designed in cooperation with Albi Manufacturing®, a 40 year leader in the fireproofing industry.

## Unsurpassed flexibility



Lytecaster has set the trend with the most extensive line of recessed lighting in the industry. The FireLine fire rated enclosure is no exception. Specifically designed to work with the Lytecaster line of products, FireLine works with over 30 existing Frame-in Kits and all their compatible trims. This provides you with hundreds of downlighting options for you and your customers. Why stock additional Frame-in kit SKUs or sacrifice style and quality when you can use the recessed downlight line you have come to know and trust... Lytecaster.



## Unique design

Constructed of Albi DriClad®, this industry accepted material provides a one-hour UL® classification for L500 series floor / ceiling assemblies. The enclosure helps to prevent the spread of heat and flames into the ceiling space, providing additional time for residents to evacuate. Unlike other material used in fire resistant products, FireLine is designed for exposure to extreme temperatures and will provide consistent and long-term protection when exposed to the heat given off by lighting products. Available in three sizes, FireLine is designed to fit the most popular types of residential construction and is ideal for single and multi-family dwellings, hospitality and assisted living environments.



## Installation

This lightweight material weighs a fraction of what other fire resistant products weigh. Simply lift FireLine into the joist space and use the mounting hardware provided to install. Once in the ceiling, the Frame-in-Kit can be installed without any additional hardware or modifications.

Designed specifically to fit in most standard types of construction, FireLine provides more flexibility than any other fire rated product by offering a 16" on center (**16FR2X10**) and 12" on center (**12FR2X10**) 2x10 construction.

Restricted or obstructed ceiling space... FireLine is also available in a shallow 16" on center (**16FR2X16**) version for installation in plenums as shallow as 2x6 construction or where obstructions may cause height restrictions.



## Code



Philips Lightolier FireLine, colored the familiar Philips Lightolier red, serves as an easy-to-recognize indicator for inspectors that you have installed a UL® classified product that provides a one-hour fire rating and the knowledge that it is the quality product they have come to know with Philips Lightolier. Additional information can be obtained from the UL label included on the box or from the UL website under this UL Certification Fire Resistive Assemblies and Systems page.

## Value

FireLine saves time and money by eliminating the need to construct a separate fire rated enclosure.

- Eliminates the need for additional contractors to build an enclosure
- Eliminates scheduling issues trying to coordinate contractors to build and install.
- Eliminates the need for inspectors to inspect each individual box for compliance.

Winner of EC&M Magazine 2004 Product of the Year Competition. FireLine was a winner in 2004 for their introduction in the "Boxes & Enclosure" category of the competition. FireLine was chosen from a record number of entries.



We take pride in our relationship with the Underwriter Laboratories. FireLine was developed based on the Classifications listed in the Fire Resistive Assemblies and Systems portion of the UL Directory pertaining to the test method and acceptance criteria in ANSI/UL 263 (ASTM E119 and NFPA 251), "Fire Tests of Building Construction and Materials."



Our UL listing (UL File R21187) not only ensures a quality product for our customers but also provides inspectors with the security and convenience they need.

# FireLine

## Fire rated enclosure

### Product compatibility

The following grid outlines the Lytecaster products compatible for use with the FireLine Fire Rated Enclosure.

| FireLine cat. no.            | Use with frame-in kit  | Use with reflector trim  | Lamping options   |  |
|------------------------------|--|--|---|--|
| 12FR2X10                     | <b>Line voltage</b>  |  |   |  |
|                              | 1004IC*<br>1104IC*   | Compatible with all trims rated for these frame-in kits                    | Compatible with all IC lamping options for the associated trims |  |
|                              | 2000IC<br>2000AIC  | Compatible with all trims rated for these frame-in kits                    | Compatible with all IC lamping options for the associated trims |  |
|                              | <b>LED</b>   |  |   |  |
|                              | 1050LRN LED Series<br>1050LSQ LED Series<br>1050RN Series<br>1050SQ Series |  |   |  |
| 16FR2X10                     | <b>Line voltage</b>  |  |   |  |
|                              | 1004IC<br>1104IC   | Compatible with all trims rated for these frame-in kits                    | Compatible with all IC lamping options for the associated trims |  |
|                              | 2000IC<br>2000AIC<br>1000IC<br>1000AICM<br>1004ICX                         | 1100IC<br>1100AICM<br>1104ICX<br>1100P1                                    | Compatible with all trims rated for these frame-in kits         | Compatible with all lamping options for the associated trims |
|                              | <b>Fluorescent</b>   |  |   |  |
|                              | 1004F Series<br>1104F Series<br>1102T13U<br>1102T18U<br>1102T26U           | 2001F IC Series<br>1001F IC Series<br>1101F IC Series                      | Compatible with all trims rated for these frame-in kits         | Compatible with all lamping options for the associated trims |
|                              | <b>Low voltage</b>   |  |   |  |
|                              | 2000LVNT<br>2000AICV   | 1000ICV  | Compatible with all trims rated for these frame-in kits         | Compatible with all lamping options for the associated trims |
|                              | <b>LED</b>   |  |   |  |
|                              |  | 1050LRN LED Series<br>1050LSQ LED Series<br>1050RN Series<br>1050SQ Series |   |  |
|                              | 16FR2X6  | <b>Fluorescent</b>   |   |  |
| 1102T1<br>1102TH1<br>1102TH1 |  | 1102T13U<br>1102T18U   | Compatible with all trims rated for these frame-in kits         | Compatible with all lamping options for the associated trims |
| <b>LED</b>                   |  |  |   |  |
|                              | 1050LRN LED Series<br>1050LSQ LED Series<br>1050RN Series<br>1050SQ Series |  |   |  |

\* Mounting bars need to be modified for proper fit.

# Lytegems

The bold appearance of the Beveled Glass and Glass Collar decorative accessories provide a strong architectural statement. Used alone or in multiples these clean modern designs add an elegant glow at the ceiling line to create an intriguing visual focal point. Additionally Lytecaster’s new Bed Molding Lytegems in round and square styles help to create a built-in appearance that will enhance classic architectural detail.



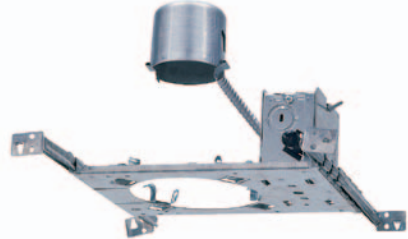
## Beveled glass



A thick, double-tapered ring of glass floats elegantly off the ceiling. Well suited for use in multiples. Choose from clear glass that has been etched or striking solid cobalt blue.



| Finish       | w/2000 | w/1000 |
|--------------|--------|--------|
| Clear etched | 1304   | 1404   |
| Cobalt blue  | 1305   | 1405   |



1. Frame-in kit

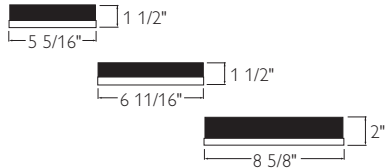


2. Reflector trim

## Glass collar




Etched glass wraps around a black die-cast mounting collar and glows softly. A simple design that works especially well in multiples. Minimum extension from the ceiling and distortion of the light beam.



| Finish       | w/2000 | w/1000 | w/1100 |
|--------------|--------|--------|--------|
| Clear Etched | 1302   | 1402   | 1502   |



3. Lytegem

Lytegems are compatible with those reflector trims that have removable cones or baffles and with most Lytecaster frame-in kits. All reflectors listed with this symbol  can be used with Lytegems. The specular clear and satin clear cones will give the best effect because they deliver the most light. Other finishes may be used as desired.

Accepts Lytegems, see page 1.333.





# Accessories

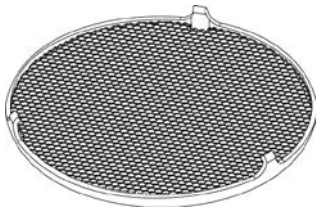
## Replacement thermal protectors

| Frame-in kit  | Part#    | Order/pulse# |
|---|----------|--------------|
| 1004ICV   | LH-1209K | 921250       |
| 1104ICX   | LH-3332A | 932244       |
| 1004IC, 1004ICR, 1004SIC, 1004SICR, 1104IC            | LH-3334  | 929895       |
| 1004ICX   | LH-3334B | 932301       |
| 2004ICV   | MI-5481C | 931759       |
| 1102P1, 1002P1, 1003R, 2000LV, 2000LVR, 2002P1, 2003R | SK-3075  | 916970       |

| Frame-in kit                                   | Part#    | Order/pulse# |
|--|----------|--------------|
| 1000LVNT, 2000LVNT                             | LH-1209K | 921250       |
| 1000P1, 1100P1                                 | SK-3101  | 923096       |
| 1000AICM, 1000IC, 1000ICV, 1100AICM, 1100DAICM | MI-7400  | 898640       |
| 1000LV, 1000LVR                                | SK-3104  | 917117       |
| 2000AIC, 2000AICV, 2000IC, 2000P1              | SK-3113  | 925696       |
| 1700P1   | SK-3114  | 926417       |

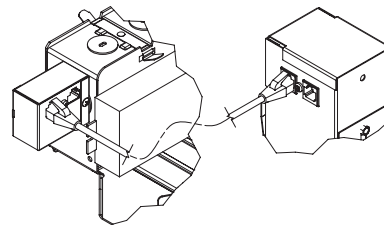
**Note:** Please refer to part# and pulse# when ordering.

## L56WWLENS



Diffusing lens designed for the Lytecaster LED series of frames. Provides additional diffusion of LED source to allow even illumination of vertical surfaces.

## Daylight harvesting kit



Expand your energy saving options with the inclusion of daylight harvesting. 3-part system can daisy chain any 0-10v dimming product in 10' increments

DHMI: CAT5 J-Box adapter  
 UL2F-EZR: Daylight Sensor  
 39-30256-000 CSP: CAT5 cable

## Medium base socket extender



**1968**  
 For 50W and 75W short neck PAR30 lamps only. Limited compatibility (see individual reflector trim data). Adds 1 1/4".

## Slot aperture faceplate



Conversion faceplates for Lytecaster MR16 low voltage Pinhole reflectors (1000 and 1100 Series). Matte white finish.

**1452**  
 For 1052LV Pinhole

**1552**  
 For 1152 Pinhole

## Mounting bars

**1964\***  
 20" mounting bar extenders. Set of 2. For 2000, 1000 Series.

**1966\***  
 Standard length (13") mounting bars. Set of 4. For 2000, 1000 Series (Except IC).

**1976\***  
 13" replacement bars. Set of 4. For Series 1100 and IC frame-in kits.

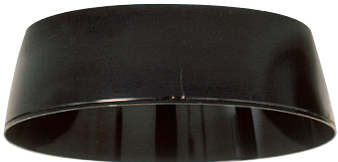
**1977**  
 Lytefining mounting bars.



\*Not for use with Lytefining Frame-in Kits.

# Accessories

## Accessory cones



Replacement cones for Lytecaster reflectors (not for use with basic reflectors, Eyeballs and shallow specular reflectors, pinholes and slots). To order finishes other than matte black step baffle, add finish designations after catalog number (for example 1350CL for specular clear, 2000 Series).



|             | Finish                          | Comp. Refl. |
|-------------|---------------------------------|-------------|
| <b>1350</b> | Matte Black Step Baffle         | 2000 Series |
| <b>1350</b> | CL, GD, BK, BA, BG, WH, WHB, CD | 2000 Series |
| <b>1450</b> | Matte Black Step Baffle         | 1000 Series |
| <b>1450</b> | CL, GD, BK, BA, BG, WH, WHB, CD | 1000 Series |
| <b>1550</b> | Matte Black Step Baffle         | 1100 Series |
| <b>1550</b> | CL, GD, BK, BA, BG, WH, WHB, CD | 1100 Series |

- CL** Specular clear
- GD** Specular gold
- BK** Specular black
- BA** Brushed clear
- BG** Brushed gold
- WH** Matte white
- WHB** Matte white baffle
- CD** Clear diffuse

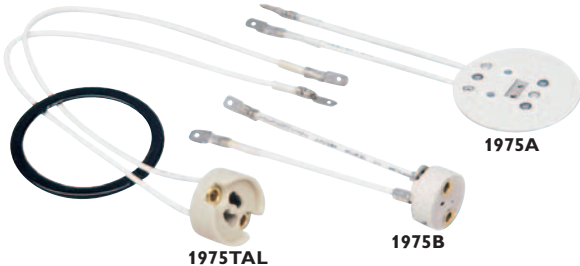
## Lytecaster hole saw



**HC356**  
Dedicated hole saw reduces installation time. Completely adjustable cutter comes with Lytecaster template to take out guess work. Place cutting elements in the holes labeled for the frame you are using and tighten...you're ready to cut. Durable dust shield eliminates clean-up even when remodeling. Comes with additional drill bits, extra cutting elements and contractor pencil all housed in a convenient, durable plastic case.

**HC356BLADE**  
Replacement hole saw blade

## MR16 Socket replacement

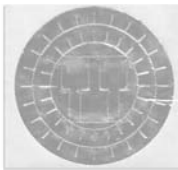


**1975B**  
For series 2000LV frame-in kits and 1052LV trim.

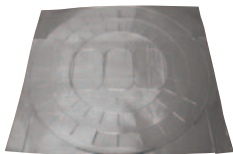
**1975A**  
For series 1000LV frame-in kits and trims 1152, 1161.

**1975TAL**  
For GE Turn and lock lamps.

## Lytening AirSeal® gasket kit



**LAS56**  
Converts Lytening housings\* 1104IC, 1004IC, 1004SIC, 1104FI to comply with Model Energy Code and Washington State Energy Code air leakage requirements.



**LAS56R**  
Converts Lytening remodeler housings\* 1104ICR, 1004ICR, 1004SICR, 1104FIR to comply with Model Energy Code and Washington State Energy Code air leakage requirements.

\*Use with Lytening new construction housings (1104IC, 1004IC, 1104SIC, 1004SIC, 1104FI) only if factory installed tape or knockouts have been removed.

# Accessories

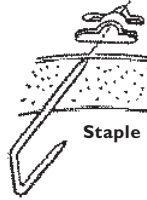
## T-Bar ceiling clips



**1956**  
For use with series 2000, 1000 and 1102HF.\*

\*All other 1100 Series and Lytning frame-in kits mounting bars have integral T-bar tab. Position notched area of mounting bar on top of T-bar and lock by bending tab underneath T-bar bead. Mounting bars permit frame to be positioned off-center between 24" joists.

## Staples & nails

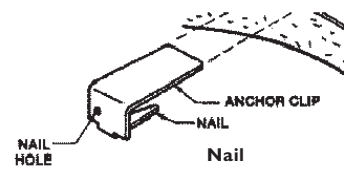


Anchors 1000+1100 series frame-in kits when used as a remodeler (See instruction sheet for application and further information)

Order quantity of 1 per fixture (will receive pack of 4)



**1985S**  
1100 Series



NAIL HOLE

ANCHOR CLIP

NAIL

Nail



**1985N**  
1000 Series

## Plaster ceiling ring



Fits all frame-in kits except Non-IC remodelers. Full 7/8" deep. Installed after mounting frame, before plastering ceiling.

**1959** Series 2000 (Not for 2000AICV)  
**1960** Series 1000  
**1961** Series 1100 (Not for Lytning or 1100DAICM)

## Extra wide flange trim ring



Matte white finish

**1954**  
For 1100 series reflector trims (except 1126-1128, 1170-1199) – O.D. 8 5/8" I.D. 6 3/4."  
**1957**  
For series 1000 reflector trims – O.D. 7" I.D.5 (except 1071, 1082, 1085, 1076).

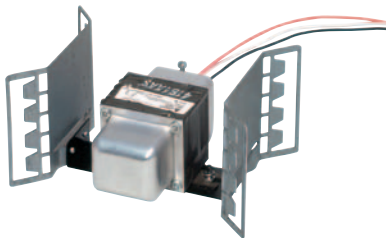
## MR16 Remote transformer



**8608**  
75W Max.  
**8609**  
225W Max.

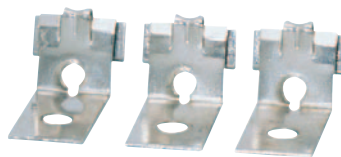
**MR16 Remote transformer**  
LVNT Frame-in kits may be installed in new ceilings up to 1" thick. Philips Lightolier remote transformers 8608 (75W) and 8609 (225W) are fused and suitable for recessed installation.

## 277V Operation remote step-down transformer



**7997**  
Supplies 120v fixture from a 277v branch circuit (20 amp. minimum). Can be used for multiple fixtures (not to exceed 300W maximum load).

## Retaining clips



**1955**  
For installation in existing ceilings. Box of 100. For Series 2000, 1000, 1100 (except Basic reflectors, Deep and shallow specular reflectors). 1 1/4" maximum ceiling thickness.

# Reference data

## Accent lighting

Use individual fixtures in small areas or to create focal pools of light. (Section E)

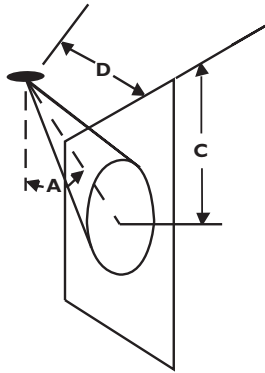
For the best viewing of pictures locate accent lights so that their beams are aimed 30° from vertical (Section G). Three-dimensional objects stand out best when cross-lighted from two accent lights.

Size the beam to the object(s) being highlighted and illuminate them up to three times the general level.

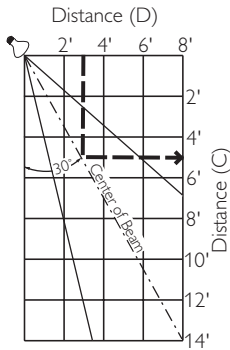
## G Accent lighting/beam center location

The charts locate the distance (C) to the center of the light beam for various mounting distances (D) and for aiming angles 30° and 45° from vertical. 30° from vertical is the preferred aiming angle for lighting pictures on a wall.

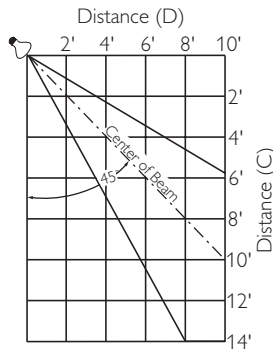
Example: When an accent light is located 3' from a wall and aimed 30° from vertical, the center of the light beam will be about 5' down from the ceiling.



30° Aiming angle



45° Aiming angle



## Lamp data

|   | Watts | Bulb | Rated lumens (initial) | Rated life (hours) |
|---|-------|------|------------------------|--------------------|
| <b>General service line voltage lamps</b> |       |      |                        |                    |
|   | 40W   | A19  | 465                    | 1500               |
|   | 60W   | A19  | 850                    | 1000               |
|   | 75W   | A19  | 1190                   | 750                |
|   | 100W  | A19  | 1690                   | 750                |
|   | 150W  | A21  | 2850                   | 750                |

## Projector (PAR) halogen lamps

|      |          |       |      |      |
|------|----------|-------|------|------|
|      | 60W      | PAR16 | 650  | 2000 |
|      | 75W      | PAR16 | 900  | 2000 |
|      | 35W      | PAR20 | 360  | 2500 |
|      | 50W      | PAR20 | 550  | 2500 |
|      | 50W      | PAR30 | 660  | 2500 |
|      | 75W      | PAR30 | 1130 | 2500 |
|      | 45W      | PAR38 | 560  | 2500 |
|      | 60W      | PAR38 | 850  | 3000 |
|      | 90W      | PAR38 | 1310 | 2500 |
|      | 100W HIR | PAR38 | 2070 | 3000 |
|      | 120W     | PAR38 | 1800 | 3000 |
| 250W | PAR38    | 3600  | 4500 |      |

## Low voltage projector lamps

|  |      |                  |  |  |
|--|------|------------------|--|--|
|  | MR16 | (See page 1.268) |  |  |
|--|------|------------------|--|--|

## Reflector (BR) lamps

|  |      |      |      |      |
|--|------|------|------|------|
|  | 65W  | BR30 | 715  | 2000 |
|  | 85W  | BR30 | 925  | 2000 |
|  | 65W  | BR40 | 685  | 2000 |
|  | 85W  | BR40 | 925  | 2000 |
|  | 120W | BR40 | 1150 | 2000 |

## Compact fluorescent lamps

|  |     |                             |      |        |
|--|-----|-----------------------------|------|--------|
|  | 13W | Twin Tube 2-Pin (GX23)      | 900  | 10,000 |
|  | 13W | Quad Tube 2-Pin (GX23-2)    | 860  | 10,000 |
|  | 13W | Quad Tube 4-Pin (G24q-1)    | 1250 | 10,000 |
|  | 18W | Quad Tube 4-Pin (G24q-2)    | 1250 | 10,000 |
|  | 26W | Quad Tube 4-Pin (G24q-3)    | 1800 | 10,000 |
|  | 26W | Triple Tube 4-Pin (GX24q-3) | 1800 | 10,000 |
|  | 32W | Triple Tube 4-Pin (GX24q-3) | 2400 | 10,000 |

## Metal halide lamps (open fixture type)

|  |               |            |      |        |
|--|---------------|------------|------|--------|
|  | 70W (Coated)  | ED17/Med.  | 5400 | 16,000 |
|  | 100W (Coated) | ED17/Med.  | 7900 | 16,000 |
|  | 70W           | PAR38/Med. | 3400 | 8,500  |
|  | 100W          | PAR38/Med. | 5800 | 8,500  |

The shape of a bulb is indicated by one or more letters such as A, R, PAR, etc. The size is given by a number which expresses the diameter in eighths of an inch. Thus, a BR40 bulb is of the BR shape, 40 eighths (40/8) or 5" in diameter. Lamp data shown is typical. Contact lamp manufacturer for specific data.

# Lighting applications

Lytecaster offers over 175 different trim combinations. These icons are provided as a visual guide to assist you in determining the best product choice for your lighting needs.



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## General illumination



General illumination provides overall illumination and defines a space. Good general lighting should be evenly distributed across the space and provide a glare-free light source. Available in 3 ¾", 5" and 6 ¾" sizes with line voltage, low voltage and compact fluorescent light sources.

### These include

- Anodized reflectors
- Aperture cones
- Baffles
- Cross blades
- Pinholes
- Baffles
- Sloped ceiling

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## Wall washing



Wall washing provides a smooth, even illumination over the length and height of a wall surface. It is an ideal way to enhance the sense of spaciousness in a room. Wall washing can also be used to highlight specific areas, selected materials, or artwork. Available in 3 ¾", 5" and 6 ¾" sizes with line voltage and compact fluorescent light sources.

### These include

- Open wall wash
- Step baffle eyelid
- Basic white eyelid

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### Accent lighting



Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces such as artwork, place settings and niche areas. It is typically achieved with adjustable downlights whose beams can be carefully aimed. Available in 3 ¾", 5" and 6 ¾" line voltage and low voltage light sources.

#### **These include**

- Recessed adjustables
- Mini swivels
- Eyeballs
- Elbows
- Pinholes
- Slots

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### Wet location



Wet Location provides overall illumination in locations where the light source may come into direct contact with water. Available in 3 ¾", 5" and 6 ¾" sizes with line voltage, low voltage and compact fluorescent light sources.

#### **These include**

- Decorative domes
- Lensed downlights
- Plastic diffusers
- Open wet location

# Putting Lytecaster to work

The following guidelines provide valuable information on the effective use of Lytecaster.

## General lighting

A simple layout of downlights follows five basic steps:

1. Determine the level of illumination, in footcandles, depending on the usage of the space. (Section A)
2. Select the light source based on efficiency, lamp life, color and dimming ability. Be sure to consider Energy Smart®, long-life compact fluorescent and HID sources.
3. Select the downlight, based on light source, size and finish.
4. Use Light Loss Factors (Section B) to ensure adequate maintained footcandles. (Maintained Footcandles = Initial Footcandles x LLF)
5. Determine downlight spacing from the chart. (Section C) When the layout is pre-determined by the space, use footcandle charts to find the lighting level. When maximum spacing is desired (in a hallway, for example) use the Spacing Ratio (Section D) to assure even lighting.

### Example: (1113) 1 x 32W Triple tube

**Given** 1113 Reflector Trims with one 32W Triple Tube lamp mounted in a small room with an 8' high white ceiling and light walls.

**Find** The spacing of fixtures for 25 to 30 footcandles at a 2 1/2' work plane.

**Solution** See Multiple units chart. These fixtures, mounted on 6' centers, will provide 30 footcandles at a work plane height of 30". The Spacing Ratio of 1.1 allows these fixtures to be mounted up to 6' apart {1.1 x (8 - 2.5)} and still provide even lighting.

## A Recommended general lighting levels

(Minimum, Maintained)

|                                      | Commercial   | Residential  |
|--------------------------------------|--|--|
| High<br>(over 50<br>footcandles)     | Price-oriented retail<br>Quick service restaurants<br>Fine assembly work<br>Laboratories       | Work bench   |
| Medium<br>(30-50<br>footcandles)     | General retail<br>General office<br>Classrooms<br>Libraries<br>Reception<br>Leisure restaurant | Hobby areas<br>Kitchens<br>Laundry<br>Study<br>Home office |
| Low<br>(less than 30<br>footcandles) | Public spaces<br>Corridors<br>Stairs<br>Social areas<br>Intimate restaurant                    | Dining room<br>Hallways<br>Closets                         |

## B Light loss factors

Light loss factors compensate for dirt accumulation and lamp depreciation.

Maintained footcandles = Initial footcandles x light loss factor (LLF)

| Fixture             | Lamp type                   | Maintenance conditions |        |      |
|---------------------|-----------------------------|------------------------|--------|------|
|                     |                             | Good                   | Medium | Poor |
| Enclosed downlights | A, Triple, quad & twin tube | .75                    | .70    | .60  |
| Open downlights     | PAR, BR, MR                 | .80                    | .75    | .70  |
|                     | A, Triple, quad & twin tube | .75                    | .70    | .65  |

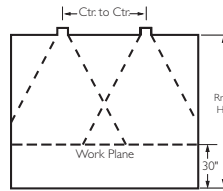
**Good** = Clean area, regular maintenance and group relamping.

**Medium** = Medium dirty area, regular maintenance and spot relamping.

**Poor** = Dirty area, poor maintenance and spot relamping.

## C General lighting from multiple units

Footcandle values are initial and average and are at a work plane height of 30" above the floor. They are shown for various fixture spacings in a large room (30' x 50') and a small room (8' x 12'), both with ceiling heights of 8' to 12'. Room finishes are typical: white ceiling (80% refl.), light walls (50% refl.), and dark floor (20% refl.).



### Example: (1113) 1 x 32W Triple tube

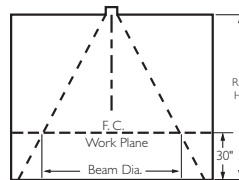
| Ctr. to Ctr. Spacing | Footcandles |            | S.R. = 1.1 |
|----------------------|-------------|------------|------------|
|                      | Large room  | Small room |            |
| 4'                   | 87          | 68         |            |
| 6'                   | 39          | 30         |            |
| 8'                   | 22          | 14         |            |

## D Spacing ratio

To find the maximum spacing of fixtures for even lighting, multiply the fixture's Spacing Ratio (S.R.) by the fixture height above the work plane.

## E Downlighting from a single unit

Footcandle (FC) values are initial and are at the center of the beam, 30" above the floor. The Beam Diameter is to the point that the candlepower drops to 50% of maximum.



### Example: (1005) 75W PAR30

| Height to floor | Foot-candles | Beam diameter |
|-----------------|--------------|---------------|
| 8'              | 56           | 5'            |
| 10'             | 30           | 6'            |
| 12'             | 19           | 8'            |

## F Footcandle conversion for downlights

Lamp wattages given for each Line Voltage reflector trim are the maximum for the lamp type specified. To convert the lighting data to a lower wattage lamp of the same type, multiply the footcandle values by the ratio of the lumens of the two lamps. Note beam diameter and spacing ratio (S.R.) do not change.

**Given** Lighting Data for 1105 reflector trim with a 150W BR40 FL lamp.

**Find** The footcandle level for 90W BR40 FL lamp.

**Solution** Divide the lumens of the 90W BR40 FL (1100) by the lumens of the 150W BR40 FL (1525) {1100 divided by 1525 = 0.7}. Then, multiply the footcandle values of the fixture data by 0.7.

### Footcandle multipliers for alternate finishes (A Lamp, CFL, HID)\*

| Reflector Trim Series | (Against Clear/Gold) |                     | (Against Black baffle) |
|-----------------------|----------------------|---------------------|------------------------|
|                       | Matte white Cone     | Specular Black Cone | White Baffle           |
| 2000                  | .65                  | .3                  | 1.4                    |
| 1000                  | .85                  | .6                  | 1.4                    |
| 1100                  | .90                  | .7                  | 1.5                    |

\* Footcandles shown with specular cone units are for clear and gold finishes; with step or basic baffle units are for black baffles. Multipliers above are against those footcandle values.

# Lighting specifications

## Accent lighting

Use individual fixtures in small areas or to create focal pools of light. (Section E)

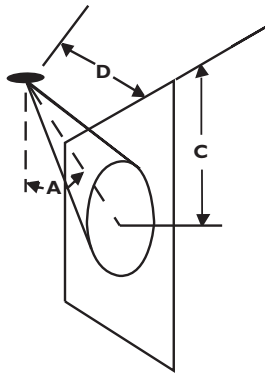
For the best viewing of pictures locate accent lights so that their beams are aimed 30° from vertical (Section G). Three-dimensional objects stand out best when cross-lighted from two accent lights.

Size the beam to the object(s) being highlighted and illuminate them up to three times the general level.

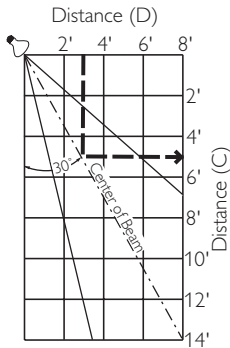
## G Accent lighting/beam center location

The charts locate the distance (C) to the center of the light beam for various mounting distances (D) and for aiming angles 30° and 45° from vertical. 30° from vertical is the preferred aiming angle for lighting pictures on a wall.

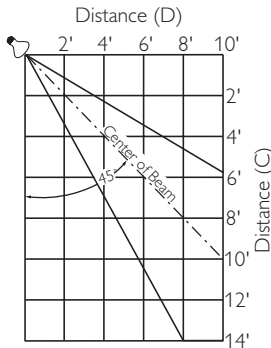
Example: When an accent light is located 3' from a wall and aimed 30° from vertical, the center of the light beam will be about 5' down from the ceiling.



30° Aiming angle



45° Aiming angle



## Lamp data

|  | Watts | Bulb | Rated lumens (initial) | Rated life (hours) |
|--|-------|------|------------------------|--------------------|
|  | 40W   | A19  | 465                    | 1500               |
|  | 60W   | A19  | 850                    | 1000               |
|  | 75W   | A19  | 1190                   | 750                |
|  | 100W  | A19  | 1690                   | 750                |
|  | 150W  | A21  | 2850                   | 750                |

## Projector (PAR) halogen lamps

|  | Watts    | Bulb  | Rated lumens | Rated life (hours) |
|--|----------|-------|--------------|--------------------|
|  | 60W      | PAR16 | 650          | 2000               |
|  | 75W      | PAR16 | 900          | 2000               |
|  | 35W      | PAR20 | 360          | 2500               |
|  | 50W      | PAR20 | 550          | 2500               |
|  | 50W      | PAR30 | 660          | 2500               |
|  | 75W      | PAR30 | 1130         | 2500               |
|  | 45W      | PAR38 | 560          | 2500               |
|  | 60W      | PAR38 | 850          | 3000               |
|  | 90W      | PAR38 | 1310         | 2500               |
|  | 100W HIR | PAR38 | 2070         | 3000               |
|  | 120W     | PAR38 | 1800         | 3000               |
|  | 250W     | PAR38 | 3600         | 4500               |

## Low voltage projector lamps

|  |      |                  |  |  |
|--|------|------------------|--|--|
|  | MR16 | (See page 1.268) |  |  |
|--|------|------------------|--|--|

## Reflector (BR) lamps

|  |      |      |      |      |
|--|------|------|------|------|
|  | 65W  | BR30 | 715  | 2000 |
|  | 85W  | BR30 | 925  | 2000 |
|  | 65W  | BR40 | 685  | 2000 |
|  | 85W  | BR40 | 925  | 2000 |
|  | 120W | BR40 | 1150 | 2000 |

## Compact fluorescent lamps

|  |     |                             |      |        |
|--|-----|-----------------------------|------|--------|
|  | 13W | Twin tube 2-Pin (GX23)      | 900  | 10,000 |
|  | 13W | Quad tube 2-Pin (GX23-2)    | 860  | 10,000 |
|  | 13W | Quad tube 4-Pin (G24q-1)    | 1250 | 10,000 |
|  | 18W | Quad tube 4-Pin (G24q-2)    | 1250 | 10,000 |
|  | 26W | Quad tube 4-Pin (G24q-3)    | 1800 | 10,000 |
|  | 26W | Triple tube 4-Pin (GX24q-3) | 1800 | 10,000 |
|  | 32W | Triple tube 4-Pin (GX24q-3) | 2400 | 10,000 |

## Metal halide lamps (open fixture type)

|  |               |            |      |        |
|--|---------------|------------|------|--------|
|  | 70W (Coated)  | ED17/Med.  | 5400 | 16,000 |
|  | 100W (Coated) | ED17/Med.  | 7900 | 16,000 |
|  | 70W           | PAR38/Med. | 3400 | 8,500  |
|  | 100W          | PAR38/Med. | 5800 | 8,500  |

The shape of a bulb is indicated by one or more letters such as A, R, PAR, etc. The size is given by a number which expresses the diameter in eighths of an inch. Thus, a BR40 bulb is of the BR shape, 40 eighths (40/8) or 5" in diameter. Lamp data shown is typical. Contact lamp manufacturer for specific data.